

Fotografia w bliskiej podczerwieni

Plener fotograficzny Pałac Janowice
27.10. - 31.10.2010



*Fotografia jest czymś więcej niż tylko rzeczywistym
środkiem przekazu pomysłów. To sztuka kreatywna.*

Ansel Adams

*Photography is more than a medium for factual
communication of ideas. It is a creative art.*

Ansel Adams

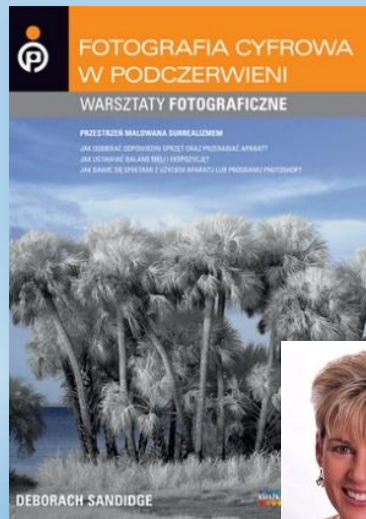


*Ansel Adams 1902-1984
American landscape photographer
<http://www.photoquotes.com/>*

Agenda

- Wprowadzenie
- Zastosowanie efektu promieni podczerwonych w fotografii analogowej i cyfrowej
- Obróbka zdjęć wykonanych techniką IR w Photoshopie
- Prezentacja portfolio IR

Literatura w temacie IR - PL



Deborah Sandidge „Fotografia Cyfrowa w Podczerwieni”
ISBN 978-83-246-2577-2 Rok wydania 2010

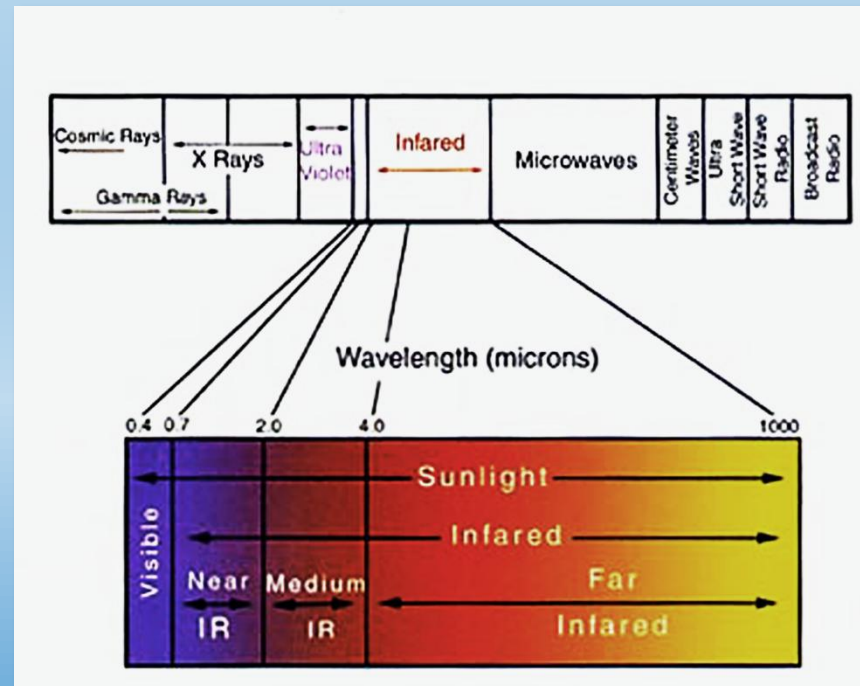


Wprowadzenie



William Herschel /1738-1822/
w 1800 roku odkrywa
promieniowanie podczerwone

...



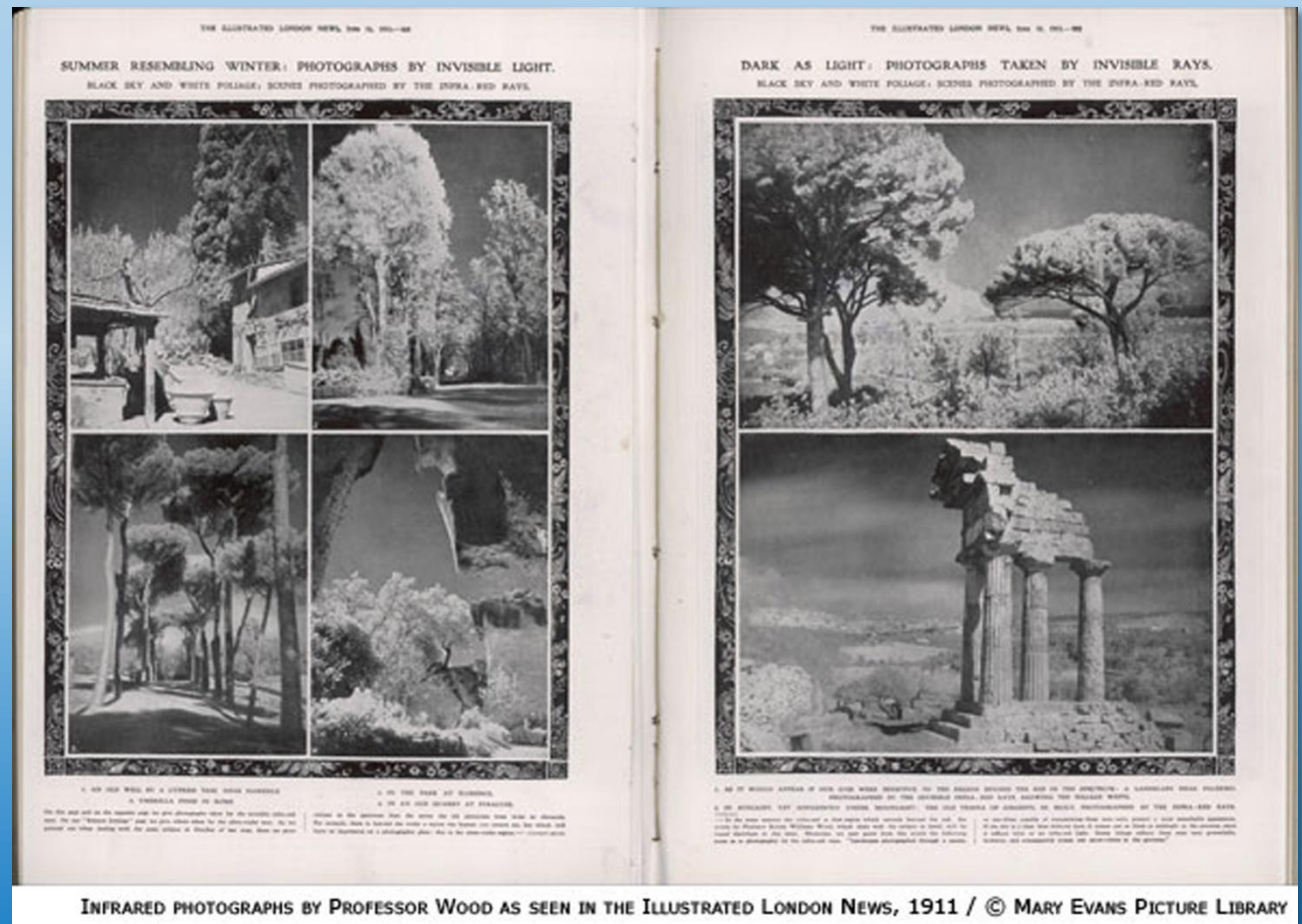
Promieniowanie IR	760 nm – 1 mm
Promieniowanie IR bliskie	760 nm – 1000 nm

Zastosowanie efektu promieni podczerwonych w fotografii analog.



1910 – 2010

Rocznica wykonania pierwszych fotografii analogowych IR /płyty szklane z emulsją fotograficzną/ przez profesora Roberta Williamsa Wooda. Opublikowano w październiku 1910 w Photographic Journal of the [Royal Photographic Society](#) (RPS).

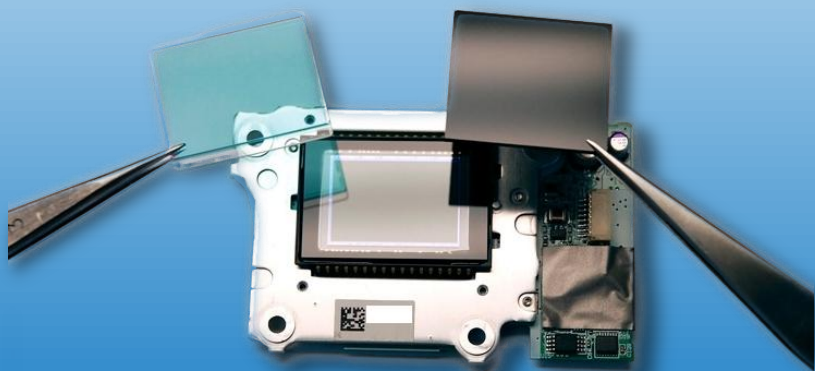


Zastosowanie efektu promieni podczerwonych w fotografii cyfrowej



Dostępne filtry IR: 590 nm, 665 nm, 720 nm, 830 nm
Przykłady fotografii z odpowiednimi filtrami:

<http://lifepixel.com/digital-infrared/samples.html>

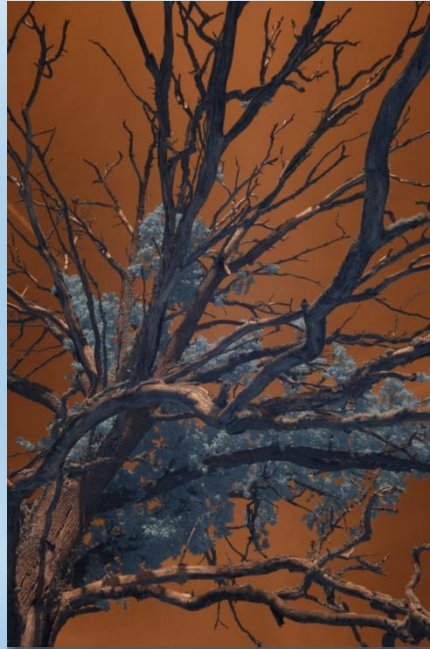


Zalety filtra IR montowanego na obiektyw	Zalety konwersji aparatu z użyciem dedykowanego filtra IR
	Możliwość używania krótkich czasów aparatu
	Możliwość używania różnych obiektywów
	Możliwość używania wizjera aparatu
	Działający autofocus
	Niezaszumiony obraz przy wyższym ISO
Niska cena	

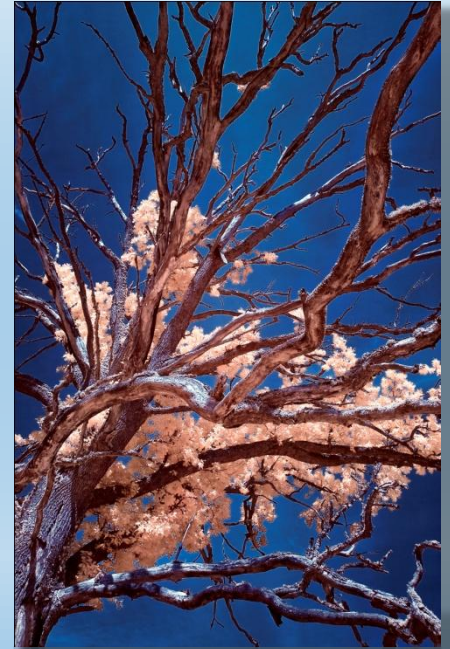
Zestawienie typów fotografii



Światło widzialne



Bliska IR



Obrobiona IR

Obróbka zdjęć wykonanych techniką IR w Photoshopie



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erphoto.com\Kurs :

Prezentacja portfolio IR

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madejski-art.com: About Me

I was born in family which has strong connections with art and photography. My grandpa was a painter and worked for Academy of Art in Warszawa Poland. My dad is a photographer. When I was seven my dad gave me an easy to use camera. From this time I was always connected and fascinated with photography. Today although I'm hard working person when I only have a free moment I take my EOS50D and go shooting. I'm not specialized in any area of photographs making. I even wouldn't want to specialize in any subject but be best in all areas of nature and further portrait photography. I'm interested in photographing, learning to play saxophone, guitar and piano and exercising karate. My family consist of my lovely wife Jola and daughter Julia and a small dog named Klifort ;). I wish You all the best and thank You for reading here my short bio



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Linki internetowe

Digital Infrared Photography by Deborah Sandidge

<http://www.betterphoto.com/courseOverview.asp?cspID=203>

Getting Started with Infrared Photography

<http://www.tutorial9.net/photography/infrared-photography/>

Infrared Imaging with Digital Cameras

<http://www.srbphoto.com/infrared/index.html>

Gisle Hannemyr's Digital Infrared Resource Page - has an extensive coverage of shooting IR with digital cameras, how it works, his experience with lenses and more. A good set of links will help you find more.

<http://dpanswers.com/content/irphoto.php>

Life Pixel's DIY Camera Conversion Instructions - Aside from doing conversions for you, LifePixel has excellent step-by-step instructions on doing the conversions yourself for some cameras.

<http://www.lifepixel.com/IR.htm>

Christian Deichert's List of Lenses for Canon that have or are free from Hotspots in IR - For Canon users here is another list of lenses that do and do not work in infrared. Note that the article dates from 2006.

<http://photo.net/canon-eos-digital-camera-forum/00IXFm>

Jens Roesner's digital infrared pages - This section, though a bit dated in terms of digital cameras covered, has some excellent information.

http://www.ir-worldwi.de/photo/index.html?ir_comparisons.html

J. Andrzej Wrotniak's IR page - This extensive page covers infrared photography with digital cameras with solid information and illustrated with excellent images.

<http://www.wrotniak.net/photo/infrared/>

The Luminous Landscape on IR - a shortish but useful article

<http://www.luminous-landscape.com/reviews/cameras/infrared%20dslr.shtml>

Wikipedia on IR photography

http://en.wikipedia.org/wiki/Infrared_photography

Robert William's IR with a Nikon D100 A good article on shooting infrared with the Nikon D100, another on producing color infrared images and some great images of Rob's.

<http://www.robertwilliamsphotography.ca/>

Dale O'Dell's article in Apogee Photo Magazine - This article from 2002 offers some good ideas for the processing of your infrared images.

<http://www.apogeephoto.com/may2003/odell52003.shtml>

Uwe Steinmueller's IR experience on Digital Outback Photo is a good resource on Uwe's experience shooting IR, illustrated with some great images.

http://www.outbackphoto.com/reviews/equipment/digital_ir/digital_ir.html

Thom Hogan's IR page - A good article on shooting IR and the processing of the images.

<http://www.bythom.com/infrared.htm>

Jerry Kneupper's blog with IR how to's - this extensive site has great interviews with IR photographers, solid how to articles and even some up to date coverage of IR film shooting. Lots of good images for inspiration.

<http://irbuzz.blogspot.com/>

WJ's Photo Homepage - extensive coverage of IR film shooting, though most of the films covered are no longer made.

<http://www.markerink.org/WJM/HTML/mainpage.htm>

Andy Finney's Invisible Light site - Andy's site has galleries of great work, excellent articles and even an infrared video of Amsterdam. There is an excellent annotated infrared photography book list, well reviewed link list and some really interesting articles covering historical developments.

<http://www.atsf.co.uk/ilight/index.html>

Photo Notes' Infrared Myths page - this film-oriented site covers some of the myths of IR shooting.

<http://photonotes.org/articles/ir-myths/>

Eric Cheng's IR page - has extensive coverage, though mostly dated, of digital infrared photography.

<http://echeng.com/photo/infrared/>

Resonant Link Photography's Infrared site - this excellent site has two extensive and solidly informative articles on shooting infrared, both with film and digital. There is also a great article on stitching infrared images together.

<http://www.infraredphoto.eu/Site/Welcome.html>

Postprocessing for IR 590 nm

<http://www.slideshare.net/krystmad/tutorial-ir-590-castle>

Biblioteka fotografii

101 Absolutely Breathtaking Infrared Photographs

<http://www.tutorial9.net/resources/101-absolutely-breathtaking-infrared-photographs/>

26 Incredible Examples of Infrared Photography with Description

<http://creativefan.com/26-incredible-examples-of-infrared-photography-with-description/>

40 Incredible Near-Infrared Photos

<http://www.smashingmagazine.com/2009/01/11/40-incredible-near-infrared-photos/>

40 Amazing Infrared Photography Images

<http://10steps.sg/inspirations/photography/40-amazing-infrared-photography-images/>

99 Brilliant Examples of Infrared Photography

<http://www.instantshift.com/2010/01/20/99-brilliant-examples-of-infrared-photography/>

Infrared Photographs

<http://infrared.madejski.org>

Zakłady usługowe

www.MaxMax.com highly recommended, they did our 350D - USA and Intl.

<http://www.lifepixel.com> Life Pixel - camera conversions, articles and stuff - USA and Intl.

Hap Griffin - mainly for astrophotographers but also others - USA

Czy są pytania



*Życie jest Twoją sztuką.
Otwarte, uważne serce jest Twoją kamerą.
Jedność z Twoim światem jest Twoim filmem.
Twoje jasne oczy i łatwa skłonność do uśmiechu to Twoje muzeum.*
Ansel Adams

*Life is your art.
An open, aware heart is your camera.
A oneness with your world is your film.
Your bright eyes and easy smile is your museum.*
Ansel Adams



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Used photographs:

<http://www.anseladams.com/>

<http://betterphoto.com/>

<http://www.lifepixel.com/>