

The How-To Geek Photo Cheat Sheet
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Side A

Side B

How-To Geek Photo Cheat Sheet

www.howtogeek.com Eric Z Goodnight v 1.1

ISO Light Sensitivity Full Stops
 Good in Bright Environments Good in Low Light Environments

Slower, Less Sensitive Faster, More Sensitive

White Balance and Color Temperature
 1850K 2700K 2850K 3800K 5500K 6500K 7500K

Sunset Incandescent Tungsten Fluorescent Flash/Sunlight Cloudy Shade

Image Shifts to Bluish Color Image Shifts to Yellowish Color

Aperture Full Stops in f-numbers

f/1
f/1.4
f/2
f/2.8
f/4
f/5.6
f/8
f/11
f/16
f/22

Allows More Light
Allows Less Light

Shutter Speed Full Stops in Seconds

1/2
1/4
1/8
1/15
1/30
1/60
1/125
1/250
1/500
1/1000

Shutter speed stops slower than 1/2 sec and faster than 1/1000 sec are different by a factor of 2. (1 sec is a stop lower than 1/2 sec, etc.)

EV	f/1	f/1.4	f/2	f/2.8	f/4	f/5.6	f/8	f/11	f/16	f/22
-5	30	60	2m	4m	8m	16m	32m	64m	128m	256m
-4	15	30	60	2m	4m	8m	16m	32m	64m	128m
-3	8	15	30	60	2m	4m	8m	16m	32m	64m
-2	4	8	15	30	60	2m	4m	8m	16m	32m
-1	2	4	8	15	30	60	2m	4m	8m	16m
0	1	2	4	8	15	30	60	2m	4m	8m
1	1/2	1	2	4	8	15	30	60	2m	4m
2	1/4	1/2	1	2	4	8	15	30	60	2m
ISO 100 Exposure Values: Speed up shutter OR close aperture one stop for every value above ISO 100										
3	1/8	1/4	1/2	1	2	4	8	15	30	60
4	1/15	1/8	1/4	1/2	1	2	4	8	15	30
5	1/30	1/15	1/8	1/4	1/2	1	2	4	8	15
6	1/60	1/30	1/15	1/8	1/4	1/2	1	2	4	8
7	1/125	1/60	1/30	1/15	1/8	1/4	1/2	1	2	4
8	1/250	1/125	1/60	1/30	1/15	1/8	1/4	1/2	1	2
9	1/500	1/250	1/125	1/60	1/30	1/15	1/8	1/4	1/2	1
10	1/1000	1/500	1/250	1/125	1/60	1/30	1/15	1/8	1/4	1/2

Instructions:

Print your credit card-sized cheat sheets front and back, inserting the top and bottom into the printer for both front and back, but reversing Side A and Side B on the second run. Assuming your Printer doesn't misalign the page, you'll have two wallet-friendly cheat sheets to carry with you when you go out to take photographs.