

BACKGROUND BLUR



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This guide is only meant to give a visual reference to the factors affecting background blur. Therefore, the values you will see here may or may not be precise. The numbers are not meant to be used as exact measurements for camera settings.

Perfect to print A5 size
14cm x 21cm / 5.83" x 8.27"

APERTURE



f/1.4



f/2



f/2.8



f/4



f/5.6



f/8



f/11



f/22



SMALL f /stop NUMBER MORE BLUR

Large aperture opening
Shallow depth of field



HIGH f /stop NUMBER SHARPER / LESS BLUR

Small aperture opening
Wide depth of field

FOCAL LENGTH



TELEPHOTO



NORMAL



WIDE



ULTRA WIDE

FULL FRAME

above 50mm

50mm

28mm

16mm

APS-C

above 30-35mm

30-35mm

17-18mm

10-11mm

Micro 4/3*

above 24mm

24mm

14mm

8mm

Higher millimeter number
Longer focal length
Shallow DOF
More Blur

Lower millimeter number
Shorter focal length
Wide DOF
Sharper/Less Blur

DISTANCE

FOCUSING DISTANCE



SUBJECT CLOSER TO CAMERA
Shallow DOF / More Blur



SUBJECT FARTHER FROM CAMERA
Wide DOF / Sharper Background

BACKGROUND DISTANCE



BACKGROUND FARTHER FROM SUBJECT
Background out of focus



BACKGROUND CLOSER TO SUBJECT
Background In focus or slightly out of focus