





Small f/stop Numbers Results in More Blur

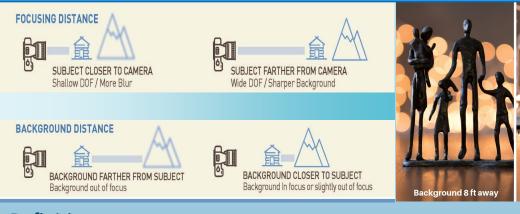
Large Aperture Opening Shallow Depth of Field





Factors That Determine Background Blur:

There are several factors that determine how much background blur a photographer will have in an image. The one that everybody thinks of is a wide open aperture, but that is not all that is involved. You must consider focusing distance & background distance. And don't forget about the focal length of your lens.



Definitions:

Bokeh: Pronounced BOH-kay. Bokeh is defined as "the effect of a soft out-of-focus background that you get when shooting a subject, using a fast lens, at the widest aperture, such as f/2.8 or wider." Simply put, bokeh is the pleasing or aesthetic quality of out-of-focus blur in a photograph.

	TELEPHOTO	NORMAL	WIDE	ULTRA WIDE
FULL FRAME	above 50mm	50 _{mm}	28 _{mm}	16mm
APS-C	above 30-35mm	30-35mm	17-18 _{mm}	10-11mm
Micro 4/3*	above 24mm	24mm	14mm	8 _{mm}
Higher millime Longer focal le Shallow DOF More Blur		.0 50mm f4.0	85mm f4.0	Lower millimeter number Shorter focal length Wide DOF Sharper/Less Blur

Background 3 ft away