INDEX

Kev Ideas

- There are no rules, 14
- Line, 35
- Circle, 53
- Rectangle, 80
- Patterns, 106
- Spirals and fractals, 135
- Entering and exiting, 156
- Vanishing points and perspective, 176
- Symmetry and asymmetry,
- Positive and negative space, 208
- Abstraction, 219
- Practice and process, 223

Thought Experiments

- Using lines feedback loop, 34
- Archetypal shapes, 46
- Moving the camera, 61
- Working with the boundary frame, 62
- Understanding edges, 65
- Recognizing patterns, 88
- Finding fractals, 115
- Directionality and cultural relativism, 142
- Change the vanishing point with your camera, 165
- Ignoring and showing symmetry, 188
- Using LAB color to "see" negative space, 204
- Create an abstraction from an everyday object, 215
- An exercise in self discovery, 226

Α

abstract expressionism, 211 abstraction, 211-221 Abstraction in Photography

(MOMA exhibition), 212

Adams, Ansel, 9, 223, 225 Adobe Photoshop

composite, 41, 67-69, 132-134, 159, 175

LAB color, 33, 220

inversions, 50, 53, 70, 133 positive and negative space,

viewing in, 204

perspective, changing in, 176 transformations, in, 132-134, 176

anthropomorphism, 212-215 aperture, effective, 232 apotropaic, 138

archetype, visual, 41-46

Berkeley, Busby, 128 Blake, William, 179 Bosch, Hieronymus, 148 boundary, 62-63, 80 rectangular, 91

vanishing point, and, 165

bracketing, exposure, 233-234 Brunalleschi, Filippo, 159

C

camera obscura, 159-163 camera position, moving, 61

Carroll, Lewis, 131

Cartier-Bresson, Henri, 10 circle(s), 37-53, 67, 83, 137, 226

archetype, in, 41–46

balance, and, 50-52

concentric, 91

definition of, 37

infinity, and, 38

mandala, as, 41 patterns, and, 91–92

radial symmetry, 184 squaring, the, 46

virtuous and vicious, 37-38

Cohen, Leonard, 49 collaging, virtual, 220

lines, and, 21 negative space, and, 200

positive space, and, 200 using LAB to invert, 50, 53 versus contrast, 151

composite, 41, 67-69, 132-134, 159, 175

composition

abstraction in, 211-221 as process, 10, 223-229

asymmetry in, 179-197

background, importance of, 204 circles, using, 37-53

design principles, and, 14 emotion using direction, 156

entering and exiting, 137-157 entry point, 27, 137-157

in portraiture, eyes as, 148 exit point, 27, 131, 137–157

fractal(s), 109-135, 175 framing, and, 55-81

good, 9 grid, as, 91-92, 99

lines, using in, 34

moving camera for, 61 multi-point perspective,

166 - 171

narrative in, 151, 206-208 open vs. closed, 146

patterns, and, 83-107 perspective, and, 172

positive and negative space, 199 - 209

practice of, 223-229

repetition, and, 83-107 rules, and, 9-10, 14

spirals, and, 109-135

squaring the circle, 92 symmetry, in, 179-197

vanishing point, working with, 162-166

cropping square, 46 Cubism, 211

D

decisive moment, 10 design and photography, 28 design patterns, 104-106, 110

architecture, in, 104

in imagery, 104-106 Pattern Language: Towns,

Buildings, Construction (book by Christopher Alexander),

software development, using, 104

direction

emotion, and, 156 language of, 142-145 misdirection, and, 146-148

patterns, and, 152-155 dot, 19, 25

effective aperture, 232 entry point, 27, 137–157 eyes in portraiture, 148 Escher, M.C., 75, 128, 131 EXIF data, 232 exit point, 27, 131, 137-157

exposure bracketing, 233-234

Fauvism, 211 fisheve lens, 70, 91 focal-length equivalency, 232-233 focal plane, 56, 61

fractal(s), 109-135, 137, 175, 226 branching patterns, and, 120

composites, 132-134 composition, kinds of, 128

creative use of, 135 definition of, 128

fractal art, 109, 126 framing, 131

lens, 128 mathematical, 126, 128

natural, 120-125, 128 nature, in, 109

frame(s), framing 55-81, 91, 100, 137

boundary, working with, 62–63,	line(s), 19–35, 83, 137 color, 21–22	altering, 172, 176 multi-point, 162, 166–171	S spiral(s), 67, 109–135, 137, 226
busting out of, 66–67	composition, using in, 34	post-production, in, 176	center point, and, 115
fractals, and, 131	curvature, 21, 27	single-point, 159–163	creative use of, 135
internal, 76–80	direction, 21–22	photography and design, 28	definition of, 110
meaning of, 59	emotion, and, 27	Picasso, Pablo, 128, 151, 189	looking up at, 116
process, 80	finding, 31	point, 19, 137	positioning the center of, 116
real-world, 56	found versus bespoke, 33	polarizer, using, 192–196	radial symmetry, and, 184
within frames, 76	straight, 28	linear vs. circular, 192	symmetrical closure, and, 115
Fundamental Law of Reflection	weight, 21	Pollock, Jackson, 211, 216	working with, 112–119
(diagram), 186	M	portals, 49	square(s), 55, 99
•	M	positive space, 199–209, 228	squaring the circle, 92
G	macro-probe lens, 110, 135	color, and, 200	Surrealism, 211
Gaudí, Antoni, 180, 226	mandala, 41, 49–50, 91, 179 multiple exposure (in camera), 69,	monochrome, and, 200	symmetry, 179–197, 228
grid(s), 99, 103	84–85, 128–129, 140–141,	progression(s), 84–86	asymmetry, compared,
Gris, Juan, 128	190–191	repetition, 103	180–182
Н	190-191	proportion(s), 65–66	bilateral, 180–182
high-dynamic range (HDR), 232	N	R	composition, and, 183–184
Hockney, David, 159, 162, 220	negative space, 199–209, 228	radial symmetry, 180–184	emphasis, and, 196
,, , , , ,	color, and, 200	circles, and, 184	horizontal and vertical, 183 kinds of, 183
I	monochrome, and, 200	flowers, in, 184	*
Impressionism, 211	0	spirals, and, 184	proportional, 183 radial, 180–184
in-camera motion (ICM), 96	On the Spiritual in Art (Kandinsky	RAW file format, 233–234	reflective, 180–182, 186–191
infrared (IR), 220	book), 215	rectangle(s), 55-81, 83, 137	synaesthesia, 215
1	DOOK), 213	bounded by, 55-56	symeoticola, 210
Jung, Carl, 41, 45, 199	P	internal, 76–79	T
julig, Call, 41, 43, 177	pareidolia, 212–215	reflection(s), 172, 192	The Spiritual in Art (LACMA
K	passage, transitional (in composi-	concave mirror, in, 189	exhibit), 216
Kaku, Michio, 179	tion), 142–145	convex mirror, in, 189	tondo(s), 56, 63, 70–73, 91
Kandinsky, Wassily, 215	pattern(s), 83–107, 137, 226	index of reflectivity, 189	transformations (in post-
Keeping the Subject Parallel	alternation, and, 86	symmetry, and, 186–191	production), 132–134, 176
(diagram), 61	circles, with, 91–92	refraction, 172, 189	transitional passage (in composi-
L	direction, and, 152–155	repetition(s), 83–107, 137	tion), 142–145
LAB color, 33, 220	fractal, 120	alternation, 86	triangles, using in composition 55, 75
inversions, 50, 53, 70, 133	grids as, 91–92, 99	grids, and, 103	33, 73
positive and negative space,	irregular, 86, 99–100	irregularity, 86	V
viewing in, 204	kinds of, 84–89 living, and, 104–105	kinds of, 103 patterns, and, 84–89, 103	vanishing point(s), 159-177, 228
landscape photograph, color versus	progressions, and, 84–86	progression, as, 103	boundary frame, and, 165
monochrome, 27	recognition, 86	rotation, and, 103	multiple, 162
language of direction, 142–145	regular, 86	series and sequences, 86	Vermeer, Johannes, 159
lens	repetition, and, 84–89, 103	working with, 103	W
fisheye, 70, 91	sequences, and, 86	Rorschach test, 215	**
fractal, 128	series, and, 86	Rothko, Mark, 216, 220–221	Weston, Edward, 9, 34, 131, 223
macro-probe, 110, 135	squares, and, 99	Rubin's vase, 203	X
Leonardo da Vinci, 211	perspective, 159–177, 228	rule of thirds, deprecated, 10	x-ray imaging, 59, 220, 234