Converting Colors

RGB(158, 234, 45)

Have a look what the booklet for RGB(158, 234, 45) contains.

Color

RGB(158, 234, 45)

Conversions

Conversions Part 1

Format	Color
Hex	9EEA2D
RGB	158, 234, 45
RGB Percent	62%, 92%, 18%
CMY	0.3804, 0.0824, 0.8235
CMYK	0.32, 0.00, 0.81, 0.08
HSL	84°, 82%, 55%
HSV	84°, 81%, 92%
XYZ	43.9970, 66.3042, 12.9617
YIQ	189.7300, 15.3730, -74.8910

Conversions

Conversions Part 2

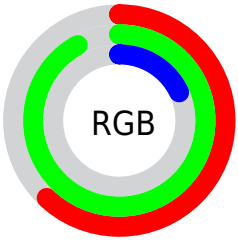
Format	Color
RYB	45, 234, 121
Decimal	10414637
CIELab	85.15, -49.22, 76.01
CIELCh	85, 90.555, 122.922
Yxy	66.3042, 0.3569, 0.5379
Android (android.graphics.Color)	4288604717 (0xFF9EEA2D)
YUV	189.7300, -71.3519, -27.8272
Hunter-Lab	81.4274, -46.0504, 47.5613

Details

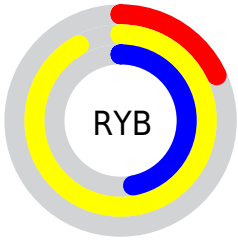
The RGB color 158, 234, 45 is a dark color, and the websafe version is hex 99FF33. The color can be described as middle washed chartreuse. A complement of this color would be 121, 45, 234, and the grayscale version is 190, 190, 190.

A 20% lighter version of the original color is 217, 255, 108, and 99, 178, 0 is the 20% darker color. If you saturate the color by 10%, you get 149, 234, 22, and if you desaturate by 10%, it is 167, 234, 68.

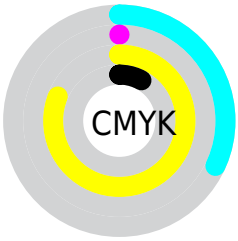
Distribution



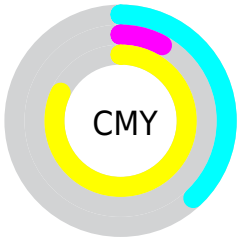
- Red (62%)
- Green (92%)
- Blue (18%)



- Red (18%)
- Yellow (92%)
- Blue (47%)



- Cyan (32%)
- Magenta (0%)
- Yellow (81%)
- Black (8%)



- Cyan (38%)
- Magenta (8%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the RGB color 158, 234, 45 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RGB color 158, 234, 45 by changing the saturation by 10% instead.

158, 234, 45

255, 255, 255

217, 255, 108

248, 255, 137

255, 255, 166

255, 255, 195

255, 255, 225

255, 255, 255

158, 234, 45

129, 206, 0

99, 178, 0

69, 151, 0

35, 124, 0

0, 99, 0

0, 74, 0

0, 51, 0

0, 27, 0

0, 0, 0

158, 234, 45

149, 234, 22

140, 234, 0

158, 234, 45

167, 234, 68

177, 234, 92

186, 234, 115

196, 234, 139

205, 234, 162

214, 234, 185

224, 234, 209

233, 234, 232

243, 234, 255

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.

246, 212, 0

158, 234, 45

0, 247, 130

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.

158, 234, 45

0, 242, 255

255, 123, 208

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.

158, 234, 45

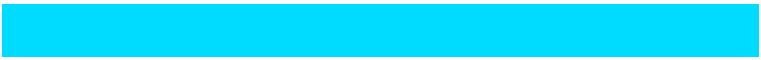
121, 45, 234

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.

255, 145, 255

158, 234, 45



0, 220, 255

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.

158, 234, 45

0, 251, 255

222, 186, 255

255, 141, 125

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.

158, 234, 45

0, 251, 189

222, 186, 255

255, 126, 237

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.

158, 234, 45

230, 255, 194

234, 121, 45

113, 128, 91

0, 0, 0

128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.

158, 234, 45

156, 255, 8

64, 234, 45

113, 117, 106

108, 181, 0

32, 54, 0

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.

121, 45, 234

107, 8, 255

215, 45, 234

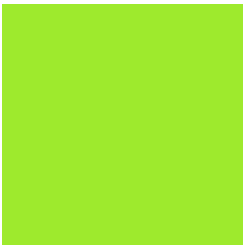
110, 106, 117

73, 0, 181

22, 0, 54

Previews

White Background

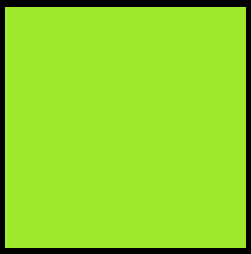


This preview shows how the RGB color 158, 234, 45 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 158, 234, 45 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

RGB 158, 234, 45 Background

This preview shows how black text looks on a background with the RGB color 158, 234, 45.

This preview shows how white text looks on a background with the RGB color 158, 234, 45.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their article about color blindness.

Dichromacy

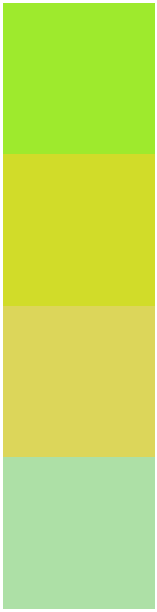
Original Color
158, 234, 45

Protanopia
238, 212, 39

Deuteranopia
255, 203, 116

Tritanopia
181, 218, 235

Trichromacy



Original Color
158, 234, 45

Protanomaly
209, 220, 41

Deuteranomaly
220, 214, 90

Tritanomaly
173, 224, 166

Monochromacy

Original Color
158, 234, 45

Achromatopsia
190, 190, 190

Achromatomaly
178, 206, 137

CSS Examples

Text

The CSS property to change the color of the text to RGB 158, 234, 45 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(158, 234, 45) looks like.

```
.text, #text, p{
    color:rgb(158, 234, 45)
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our CSS Text Shadow Generator.

Here you see how black text with a 4 pixel rgb(158, 234, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 234, 45) }
```

Border

The CSS property to change the border of an element to RGB 158, 234, 45 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 234, 45) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(158, 234, 45) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(158, 234, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 234, 45); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 234, 45); box-shadow:4px 4px 4px 4px rgb(158, 234, 45) }
```

Background

The CSS property to change the background color of an element to RGB 158, 234, 45 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(158, 234, 45) }
```

If only the background color should be changed can be used:

```
.background{ background-color:rgb(158,
234, 45) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our online CSS compressor and optimizer based on csstidy. If you want to create a linear or radial gradient as background or border, check our CSS Gradient Generator.

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

Learn more, Memberships starting at $2.50/m!

Follow me on Twitter!

@ConvertingColor