Converting Colors

RGB(165, 228, 75)

Have a look what the booklet for RGB(165, 228, 75) contains.

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Color

RGB(165, 228, 75)

Conversions

Conversions Part 1

Format	Color
Hex	A5E44B
RGB	165, 228, 75
RGB Percent	65%, 89%, 29%
CMY	0.3529, 0.1059, 0.7059
CMYK	0.28, 0.00, 0.67, 0.11
HSL	85°, 74%, 59%
HSV	85°, 67%, 89%
XYZ	44.5305, 63.9941, 16.6617
YIQ	191.7210, 11.5650, -60.9390

Conversions

Conversions Part 2

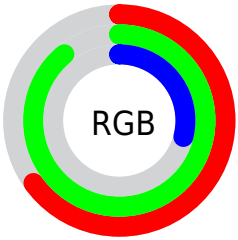
Format	Color
RYB	75, 228, 138
Decimal	10871883
CIELab	83.96, -42.54, 65.37
CIELCh	84, 77.994, 123.050
Yxy	63.9941, 0.3557, 0.5112
Android (android.graphics.Color)	4289061963 (0xFFA5E44B)
YUV	191.7210, -57.5435, -23.4343
Hunter-Lab	79.9963, -40.6305, 43.6485

Details

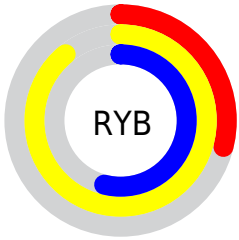
The RGB color 165, 228, 75 is a light color, and the websafe version is hex 99CC33. The color can be described as light muted chartreuse. A complement of this color would be 138, 75, 228, and the grayscale version is 192, 192, 192.

A 20% lighter version of the original color is 223, 255, 131, and 108, 172, 0 is the 20% darker color. If you saturate the color by 10%, you get 156, 228, 52, and if you desaturate by 10%, it is 174, 228, 98.

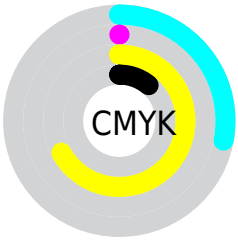
Distribution



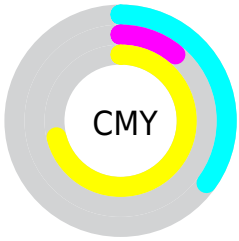
- Red (65%)
- Green (89%)
- Blue (29%)



- Red (29%)
- Yellow (89%)
- Blue (54%)



- Cyan (28%)
- Magenta (0%)
- Yellow (67%)
- Black (11%)



- Cyan (35%)
- Magenta (11%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the RGB color 165, 228, 75 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 165, 228, 75 by changing the saturation by 10% instead.

165, 228, 75	165, 228, 75
255, 255, 255	136, 200, 45
223, 255, 131	108, 172, 0
253, 255, 159	80, 145, 0
255, 255, 187	50, 119, 0
255, 255, 216	14, 94, 0
255, 255, 246	0, 70, 0
	0, 47, 0
	0, 22, 0
	0, 0, 0

165, 228, 75	165, 228, 75
156, 228, 52	174, 228, 98
146, 228, 29	184, 228, 121
137, 228, 7	193, 228, 143
134, 228, 0	203, 228, 166
	212, 228, 189
	221, 228, 212
	231, 228, 235
	240, 228, 255
	249, 228, 255

Harmonies

Analogous

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

240, 208, 42

165, 228, 75

14, 240, 139

Triad

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

165, 228, 75

0, 234, 255

255, 139, 205

Complementary

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

165, 228, 75

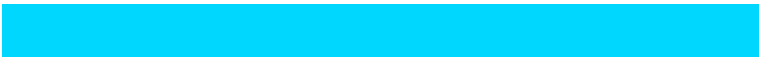
138, 75, 228

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, 155, 255

165, 228, 75



0, 215, 255

Square

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

165, 228, 75

0, 243, 255

220, 187, 255

255, 152, 133

Rectangle

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

165, 228, 75

0, 243, 189

220, 187, 255

255, 141, 230

Sweetspot

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

165, 228, 75

234, 255, 204

228, 136, 75

115, 128, 97

0, 0, 0

128, 128, 128

Same Dimension

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

165, 228, 75

170, 255, 48

90, 228, 75

110, 115, 103

105, 179, 0

30, 51, 0

Inverse Universe

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

138, 75, 228

134, 48, 255

213, 75, 228

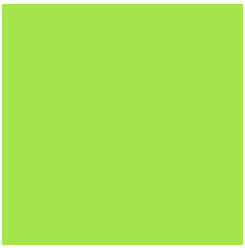
108, 103, 115

74, 0, 179

21, 0, 51

Previews

White Background

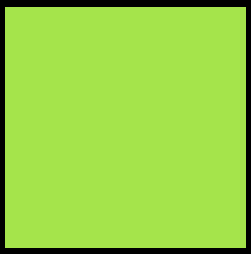


This preview shows how the RGB color 165, 228, 75 looks on a white background.

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 165, 228, 75 looks on a black background.

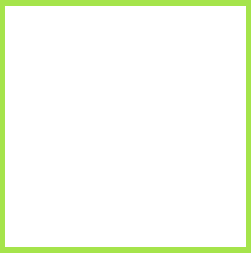
Color Contrast Check

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 165, 228, 75 Background

This preview shows how black text looks on a background with the RGB color 165, 228, 75.



This preview shows how white text looks on a background with the RGB color 165, 228, 75.

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
165, 228, 75

Protanopia
233, 209, 70

Deuteranopia
255, 199, 104

Tritanopia
185, 213, 230

Trichromacy

Original Color
165, 228, 75

Protanomaly
208, 216, 72

Deuteranomaly
222, 210, 93

Tritanomaly
178, 218, 174

Monochromacy

Original Color
165, 228, 75

Achromatopsia
192, 192, 192

Achromatomaly
182, 205, 149

CSS Examples

Text

The CSS property to change the color of the text to RGB 165, 228, 75 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(165, 228, 75) looks like.

```
.text, #text, p{
    color:rgb(165, 228, 75)
}
```

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(165, 228, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 228, 75) }
```

Border

The CSS property to change the border of an element to RGB 165, 228, 75 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(165, 228, 75) }
```

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

```
.border{ border-color:rgb(165, 228, 75) }
```

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

Here you see how a box with a 4 pixel rgb(165, 228, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 228, 75); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 228, 75); box-shadow:4px 4px 4px 4px rgb(165, 228, 75) }
```

Background

The CSS property to change the background color of an element to RGB 165, 228, 75 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(165, 228, 75) }
```

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

```
.background{ background-color:rgb(165,
228, 75) }
```

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.

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