

Converting Colors

`RYB(16, 218, 117)`

Have a look what the booklet for
RYB(16, 218, 117) contains.

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Color

$\text{RYB}(16, 218, 117)$

Conversions

Conversions Part 1

Format	Color
Hex	75DA10
RGB	117, 218, 16
RGB Percent	46%, 85%, 6%
CMY	0.5412, 0.1451, 0.9373
CMYK	0.46, 0.00, 0.93, 0.15
HSL	90°, 86%, 46%
HSV	90°, 93%, 85%
XYZ	32.5010, 53.9621, 9.1930
YIQ	164.7730, 4.6460, -84.2340

Conversions

Conversions Part 2

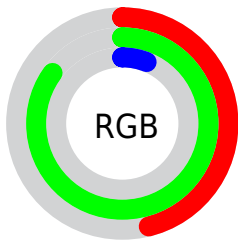
Format	Color
RYB	16, 218, 117
Decimal	7723536
CIELab	78.44, -57.43, 75.09
CIELCh	78, 94.530, 127.408
Yxy	53.9621, 0.3398, 0.5641
Android (android.graphics.Color)	4285913616 (0xFF75DA10)
YUV	164.7730, -73.3451, -41.8969
Hunter-Lab	73.4589, -49.5778, 44.0014

Details

The RYB color **16, 218, 117** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **117, 16, 218**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **90, 255, 168**, and **0, 162, 110** is the 20% darker color. If you saturate the color by 10%, you get **0, 218, 109**, and if you desaturate by 10%, it is **38, 218, 128**.

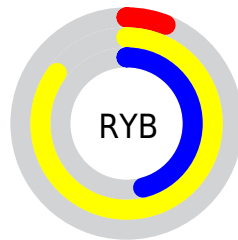
Distribution



Red (46%)

Green (85%)

Blue (6%)



Red (6%)

Yellow (85%)

Blue (46%)

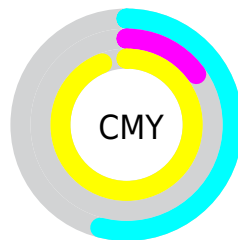


Cyan (46%)

Magenta (0%)

Yellow (93%)

Black (15%)



Cyan (54%)

















Magenta (15%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the RYB color 16, 218, 117 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 RYB color 16, 218, 117 by changing the saturation by 10% instead.

 16, 218, 117	 16, 218, 117
255, 255, 255	 0, 190, 104
 90, 255, 168	 0, 162, 110
 119, 255, 167	 0, 135, 135
 148, 255, 165	 0, 109, 109
 177, 255, 177	 0, 84, 84
 206, 255, 206	 0, 59, 59
 236, 255, 236	 0, 36, 36
	 0, 0, 0

 16, 218, 117  16, 218, 117

■ 0, 218, 109

■ 38, 218, 128

■ 60, 218, 139

■ 81, 218, 149

■ 103, 218, 160

■ 125, 218, 172

■ 147, 218, 183

■ 169, 218, 194

■ 190, 218, 204

■ 212, 218, 215

Harmonies

Analogous

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



17, 213, 0



16, 218, 117



0, 149, 229

Triad

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



16, 218, 117



0, 118, 255



255, 92, 176

Complementary

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



16, 218, 117



117, 16, 218

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, 114, 255



16, 218, 117



0, 111, 255

Square

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



16, 218, 117



0, 121, 255



221, 160, 255



255, 129, 92

Rectangle

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



16, 218, 117



0, 130, 232



221, 160, 255



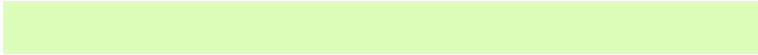
255, 93, 206

Sweetspot

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



16, 218, 117



184, 255, 220



218, 218, 16



84, 128, 106



0, 0, 0



128, 128, 128

Same Dimension

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



16, 218, 117



0, 255, 127



16, 218, 218



99, 110, 105



0, 173, 86



0, 46, 23

Inverse Universe

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



117, 16, 218



128, 0, 255



218, 16, 218



104, 99, 110



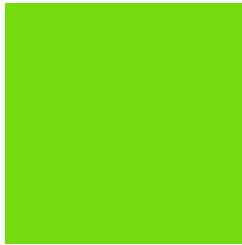
87, 0, 173



23, 0, 46

Previews

White Background



This preview shows how the RYB color 16, 218, 117 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 RYB color 16, 218, 117 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

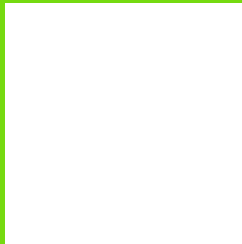
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 16, 218, 117 Background



This preview shows how black text looks on a background with the RYB color 16, 218, 117.

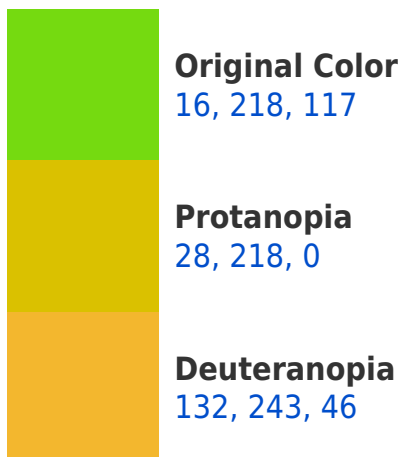


This preview shows how white text looks on a background with the RYB color 16, 218, 117.

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





Tritanopia
144, 177, 219

Trichromacy



Original Color

16, 218, 117



Protanomaly

6, 202, 27



Deuteranomaly

36, 197, 35



Tritanomaly

134, 198, 208

Monochromacy



Original Color

16, 218, 117



Achromatopsia

165, 165, 165



Achromatomaly

111, 184, 147

CSS Examples

Text

The CSS property to change the color of the text to RYB 16, 218, 117 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(117, 218, 16)` looks like.

```
.text, #text, p{  
    color:rgb(117, 218, 16)  
}
```

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(117, 218, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 218, 16) }
```

Border

The CSS property to change the border of an element to RYB 16, 218, 117 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(117, 218, 16) }
```

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

```
.border{ border-color:rgb(117, 218, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 218, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 218, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 218, 16);  
box-shadow:4px 4px 4px 4px rgb(117, 218,  
16) }
```

Background

The CSS property to change the background color of an element to RGB 16, 218, 117 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 218, 16) }
```

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

```
.background{ background-color: rgb(117,  
218, 16) }
```

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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