

Converting Colors

`RYB(13, 207, 110)`

Have a look what the booklet for
RYB(13, 207, 110) contains.

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Color

$\text{RYB}(13, 207, 110)$

Conversions

Conversions Part 1

Format	Color
Hex	6ECF0D
RGB	110, 207, 13
RGB Percent	43%, 81%, 5%
CMY	0.5686, 0.1882, 0.9490
CMYK	0.47, 0.00, 0.94, 0.19
HSL	90°, 88%, 43%
HSV	90°, 94%, 81%
XYZ	28.8159, 47.9697, 8.1211
YIQ	155.8810, 4.4620, -80.8980

Conversions

Conversions Part 2

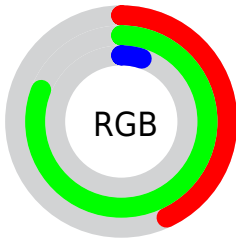
Format	Color
RYB	13, 207, 110
Decimal	7261965
CIELab	74.81, -55.51, 72.37
CIELCh	75, 91.211, 127.488
Yxy	47.9697, 0.3394, 0.5650
Android (android.graphics.Color)	4285452045 (0xFF6ECF0D)
YUV	155.8810, -70.4403, -40.2376
Hunter-Lab	69.2602, -46.9399, 41.5301

Details

The RYB color **13, 207, 110** 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 **110, 13, 207**, and the grayscale version is **157, 157, 157**.

A 20% lighter version of the original color is **87, 255, 172**, and **0, 152, 108** is the 20% darker color. If you saturate the color by 10%, you get **0, 207, 103**, and if you desaturate by 10%, it is **34, 207, 121**.

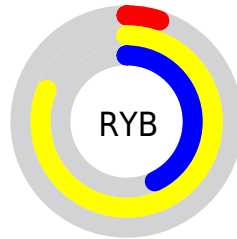
Distribution



Red (43%)

Green (81%)

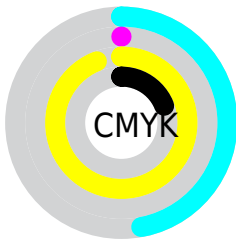
Blue (5%)



Red (5%)

Yellow (81%)

Blue (43%)

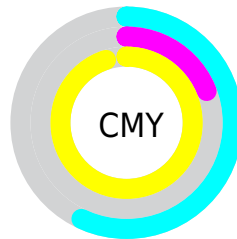


Cyan (47%)

Magenta (0%)

Yellow (94%)

Black (19%)



Cyan (57%)

Magenta (19%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the RYB color 13, 207, 110 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 13, 207, 110 by changing the saturation by 10% instead.

 13, 207, 110

 13, 207, 110

255, 255, 255

 0, 179, 100

 87, 255, 172

 0, 152, 108

 116, 255, 172

 0, 125, 125

 144, 255, 169

 0, 99, 99

 173, 255, 173

 0, 74, 74

 202, 255, 202

 0, 51, 51

 232, 255, 232

 0, 25, 25

 0, 0, 0

 13, 207, 110

 13, 207, 110

■ 0, 207, 103

■ 34, 207, 121

■ 54, 207, 130

■ 75, 207, 141

■ 96, 207, 152

■ 117, 207, 162

■ 137, 207, 172

■ 158, 207, 183

■ 179, 207, 193

■ 199, 207, 203

Harmonies

Analogous

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



16, 202, 0



13, 207, 110



0, 141, 217

Triad

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



13, 207, 110



0, 115, 255



255, 86, 167

Complementary

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



13, 207, 110



110, 13, 207

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, 107, 250



13, 207, 110



0, 108, 255

Square

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



13, 207, 110



0, 118, 255



210, 151, 255



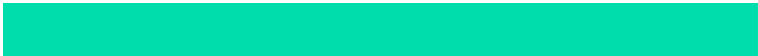
255, 121, 86

Rectangle

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



13, 207, 110



0, 124, 221



210, 151, 255



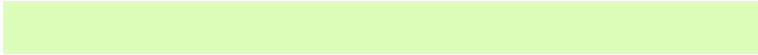
255, 87, 195

Sweetspot

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



13, 207, 110



184, 255, 220



207, 207, 13



84, 128, 106



0, 0, 0



128, 128, 128

Same Dimension

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



13, 207, 110



0, 255, 127



13, 207, 207



94, 105, 100



0, 168, 84



0, 41, 21

Inverse Universe

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



110, 13, 207



128, 0, 255



207, 13, 207



99, 94, 105



84, 0, 168



20, 0, 41

Previews

White Background



This preview shows how the RYB color 13, 207, 110 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 13, 207, 110 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 13, 207, 110 Background



This preview shows how black text looks on a background with the RYB color 13, 207, 110.

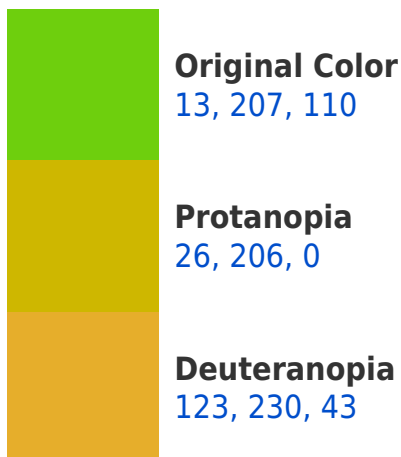


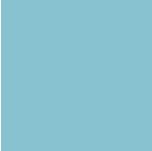
This preview shows how white text looks on a background with the RYB color 13, 207, 110.

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
136, 168, 208

Trichromacy



Original Color
13, 207, 110

Protanomaly
5, 192, 26

Deuteranomaly
32, 186, 32

Tritanomaly
127, 188, 197

Monochromacy



Original Color
13, 207, 110

Achromatopsia
156, 156, 156

Achromatomaly
104, 175, 140

CSS Examples

Text

The CSS property to change the color of the text to RYB 13, 207, 110 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(110, 207, 13)` looks like.

```
.text, #text, p{  
    color:rgb(110, 207, 13)  
}
```

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(110, 207, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 207, 13) }
```

Border

The CSS property to change the border of an element to RYB 13, 207, 110 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(110, 207, 13) }
```

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

```
.border{ border-color:rgb(110, 207, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 207, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 207, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 207, 13);  
box-shadow:4px 4px 4px 4px rgb(110, 207,  
13) }
```

Background

The CSS property to change the background color of an element to RGB 13, 207, 110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 207, 13) }
```

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

```
.background{ background-color: rgb(110,  
207, 13) }
```

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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