

Converting Colors

`RYB(80, 218, 243)`

Have a look what the booklet for
RYB(80, 218, 243) contains.

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Color

RYB(80, 218, 243)

Conversions

Conversions Part 1

Format	Color
Hex	50F36E
RGB	80, 243, 110
RGB Percent	31%, 95%, 43%
CMY	0.6863, 0.0471, 0.5705
CMYK	0.67, 0.00, 0.55, 0.05
HSL	131°, 87%, 63%
HSV	131°, 67%, 95%
XYZ	38.1477, 66.9222, 25.5244
YIQ	179.1010, -54.4550, -75.9190

Conversions

Conversions Part 2

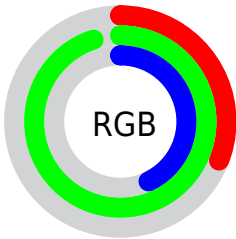
Format	Color
R _{YB}	80, 218, 243
Decimal	5305198
CIE _{Lab}	85.46, -68.53, 51.62
CIE _{LCh}	85, 85.795, 143.010
Y _{xy}	66.9222, 0.2921, 0.5124
Android (android.graphics.Color)	4283495278 (0xFF50F36E)
YUV	179.1010, -34.0668, -86.9116
Hunter-Lab	81.8060, -59.9224, 38.7650

Details

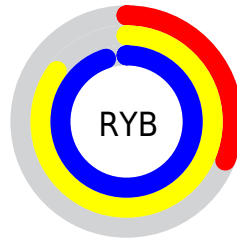
The RYB color **80, 218, 243** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted spring green. A complement of this color would be **243, 80, 213**, and the grayscale version is **179, 179, 179**.

A 20% lighter version of the original color is **147, 240, 255**, and **0, 141, 185** is the 20% darker color. If you saturate the color by 10%, you get **56, 214, 243**, and if you desaturate by 10%, it is **104, 222, 243**.

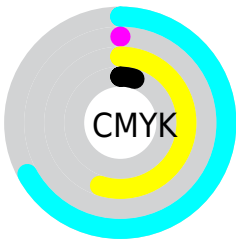
Distribution



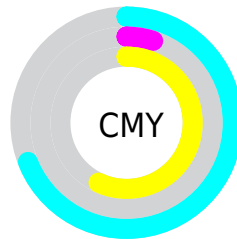
- Red (31%)
- Green (95%)
- Blue (43%)



- Red (31%)
- Yellow (85%)
- Blue (95%)



- Cyan (67%)
- Magenta (0%)
- Yellow (55%)
- Black (5%)



- Cyan (69%)
- Magenta (5%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the RYB color 80, 218, 243 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 80, 218, 243 by changing the saturation by 10% instead.

 80, 218, 243

255, 255, 255


 147, 240, 255

 178, 243, 255

 209, 245, 255

 240, 249, 255

 80, 218, 243

 35, 176, 214

 0, 142, 185

 0, 134, 157

 0, 130, 130

 0, 104, 104

 0, 78, 78

 0, 54, 54

 0, 28, 28

 0, 0, 0

 80, 218, 243

 80, 218, 243

 56, 214, 243

 104, 222, 243

 31, 210, 243

 129, 226, 243

 7, 207, 243

 153, 229, 243

 0, 206, 243

 177, 233, 243

 202, 237, 243

 226, 240, 243

 250, 243, 249

 255, 243, 255

Harmonies

Analogous

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



37, 228, 72



80, 218, 243



0, 142, 250

Triad

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



80, 218, 243



0, 121, 255



255, 139, 155

Complementary

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



80, 218, 243



243, 80, 213

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, 135, 236



80, 218, 243



176, 194, 255

Square

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



80, 218, 243



0, 125, 255



255, 163, 255



251, 255, 83

Rectangle

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



80, 218, 243



0, 127, 252



255, 163, 255



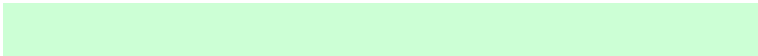
255, 133, 182

Sweetspot

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



80, 218, 243



204, 247, 255



80, 243, 107



97, 124, 128



0, 0, 0



128, 128, 128

Same Dimension

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



80, 218, 243



51, 224, 255



80, 178, 243



110, 120, 122



0, 157, 186



0, 50, 59

Inverse Universe

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



243, 80, 213



255, 51, 218



243, 80, 134



122, 110, 120



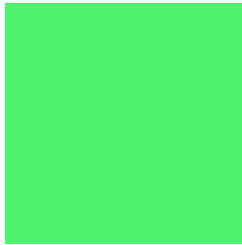
186, 0, 152



59, 0, 48

Previews

White Background



This preview shows how the RYB color 80, 218, 243 looks on a white background.

Color Contrast Check

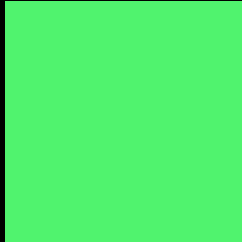
Large Text (above 18pt) WCAG AA × Fail

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 80, 218, 243 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](#).

R Y B 80, 218, 243 Background



This preview shows how black text looks on a background with the RYB color 80, 218, 243.

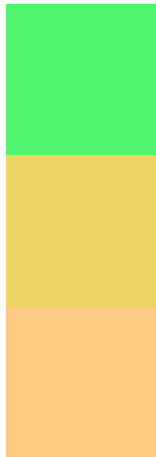


This preview shows how white text looks on a background with the RYB color 80, 218, 243.

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
80, 218, 243

Protanopia
127, 235, 99

Deuteranopia
219, 255, 130



Tritanopia
120, 178, 247

Trichromacy



Original Color
80, 218, 243



Protanomaly
103, 223, 147



Deuteranomaly
123, 218, 150

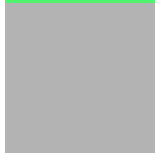


Tritanomaly
105, 179, 233

Monochromacy



Original Color
80, 218, 243



Achromatopsia
179, 179, 179



Achromatomaly
143, 193, 202

CSS Examples

Text

The CSS property to change the color of the text to RYB 80, 218, 243 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(80, 243, 110)` looks like.

```
.text, #text, p{  
    color:rgb(80, 243, 110)  
}
```

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(80, 243, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 243, 110) }
```

Border

The CSS property to change the border of an element to RYB 80, 218, 243 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(80, 243, 110) }
```

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

```
.border{ border-color:rgb(80, 243, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 243, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 243, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 243, 110);  
box-shadow:4px 4px 4px 4px rgb(80, 243,  
110) }
```

Background

The CSS property to change the background color of an element to RYB 80, 218, 243 is called "background".

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

```
.background, #background, body{  
background: rgb(80, 243, 110) }
```

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

```
.background{ background-color: rgb(80, 243,  
110) }
```

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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