

Converting Colors

`RYB(80, 188, 234)`

Have a look what the booklet for
RYB(80, 188, 234) contains.

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Color

R_YB(80, 188, 234)

Conversions

Conversions Part 1

Format	Color
Hex	50EA92
RGB	80, 234, 146
RGB Percent	31%, 92%, 57%
CMY	0.6863, 0.0824, 0.4290
CMYK	0.66, 0.00, 0.38, 0.08
HSL	146°, 79%, 62%
HSV	146°, 66%, 92%
XYZ	37.8877, 62.6138, 37.1170
YIQ	177.9220, -63.5360, -60.0160

Conversions

Conversions Part 2

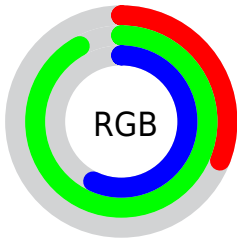
Format	Color
RYB	80, 188, 234
Decimal	5302930
CIELab	83.24, -59.77, 31.39
CIELCh	83, 67.514, 152.295
Yxy	62.6138, 0.2753, 0.4550
Android (android.graphics.Color)	4283493010 (0xFF50EA92)
YUV	177.9220, -15.7375, -85.8776
Hunter-Lab	79.1289, -53.0078, 27.5790

Details

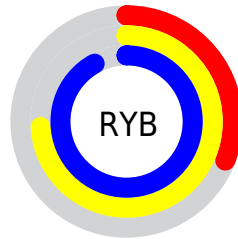
The RYB color **80, 188, 234** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **234, 80, 168**, and the grayscale version is **178, 178, 178**.

A 20% lighter version of the original color is **144, 217, 255**, and **0, 116, 177** is the 20% darker color. If you saturate the color by 10%, you get **57, 181, 234**, and if you desaturate by 10%, it is **103, 195, 234**.

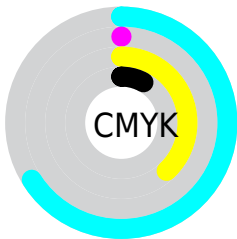
Distribution



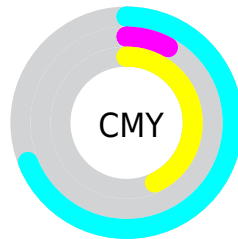
- Red (31%)
- Green (92%)
- Blue (57%)



- Red (31%)
- Yellow (74%)
- Blue (92%)



- Cyan (66%)
- Magenta (0%)
- Yellow (38%)
- Black (8%)



- Cyan (69%)
- Magenta (8%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the RYB color 80, 188, 234 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, 188, 234 by changing the saturation by 10% instead.



80, 188, 234



80, 188, 234

255, 255, 255



39, 151, 205



144, 218, 255



0, 116, 177



175, 223, 255



0, 102, 149



205, 230, 255



0, 90, 123



236, 246, 255



0, 78, 96



0, 71, 71




0, 48, 48





0, 19, 19




0, 0, 0

 80, 188, 234


 80, 188, 234

 57, 181, 234

 103, 195, 234

 33, 174, 234

 127, 202, 234

 10, 167, 234

 150, 209, 234

 0, 164, 234

 174, 216, 234

 197, 223, 234

 220, 230, 234

 244, 234, 240

 255, 234, 253

 255, 234, 255

Harmonies

Analogous

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



94, 223, 144



80, 188, 234



0, 127, 239

Triad

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



80, 188, 234



81, 156, 255



255, 162, 143

Complementary

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



80, 188, 234



234, 80, 168

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, 150, 205



80, 188, 234



216, 189, 255

Square

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



80, 188, 234



0, 121, 255



255, 163, 255



228, 255, 94

Rectangle

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



80, 188, 234



0, 123, 254



255, 163, 255



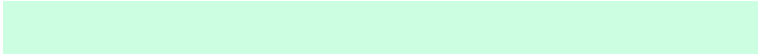
255, 154, 163

Sweetspot

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



80, 188, 234



204, 240, 255



80, 234, 144



97, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



80, 188, 234



54, 195, 255



80, 160, 234



106, 114, 117



0, 127, 181



0, 38, 54

Inverse Universe

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



234, 80, 168



255, 54, 169



234, 80, 93



117, 106, 112



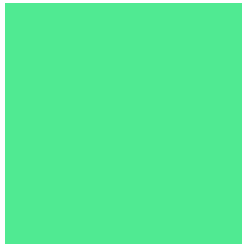
181, 0, 104



54, 0, 31

Previews

White Background



This preview shows how the RYB color 80, 188, 234 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, 188, 234 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 80, 188, 234 Background



This preview shows how black text looks on a background with the RYB color 80, 188, 234.

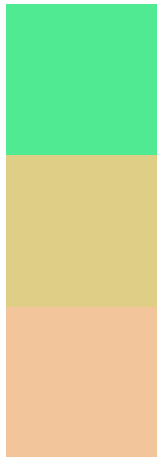


This preview shows how white text looks on a background with the RYB color 80, 188, 234.

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, 188, 234

Protanopia
155, 223, 134

Deuteranopia
242, 238, 154

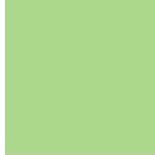


Tritanopia
112, 172, 241

Trichromacy



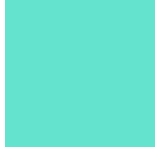
Original Color
80, 188, 234



Protanomaly
138, 216, 183



Deuteranomaly
151, 210, 178



Tritanomaly
100, 169, 227

Monochromacy



Original Color
80, 188, 234



Achromatopsia
178, 178, 178



Achromatomaly
142, 181, 198

CSS Examples

Text

The CSS property to change the color of the text to RYB 80, 188, 234 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, 234, 146) looks like.

```
.text, #text, p{  
    color:rgb(80, 234, 146)  
}
```

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, 234, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 234, 146) }
```

Border

The CSS property to change the border of an element to RYB 80, 188, 234 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, 234, 146) }
```

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

```
.border{ border-color:rgb(80, 234, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 234, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 234, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 234, 146);  
box-shadow:4px 4px 4px 4px rgb(80, 234,  
146) }
```

Background

The CSS property to change the background color of an element to RGB 80, 188, 234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 234, 146) }
```

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

```
.background{ background-color: rgb(80, 234,  
146) }
```

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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