

Converting Colors

`RYB(80, 250, 222)`

Have a look what the booklet for
RYB(80, 250, 222) contains.

RYB(80, 250, 222)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(80, 250, 222)

Conversions

Conversions Part 1

Format	Color
Hex	6CFA50
RGB	108, 250, 80
RGB Percent	42%, 98%, 31%
CMY	0.5765, 0.0196, 0.6863
CMYK	0.57, 0.00, 0.68, 0.02
HSL	110°, 94%, 65%
HSV	110°, 68%, 98%
XYZ	41.8179, 72.1385, 19.3095
YIQ	188.1620, -30.0620, -82.9740

Conversions

Conversions Part 2

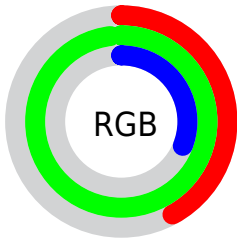
Format	Color
RYB	80, 250, 222
Decimal	7141968
CIELab	88.04, -68.14, 67.01
CIELCh	88, 95.566, 135.481
Yxy	72.1385, 0.3138, 0.5413
Android (android.graphics.Color)	4285332048 (0xFF6CFA50)
YUV	188.1620, -53.3239, -70.3021
Hunter-Lab	84.9344, -60.7498, 45.9747

Details

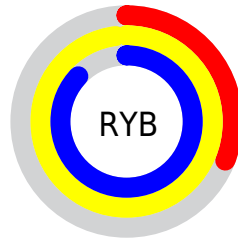
The RYB color **80, 250, 222** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **222, 80, 250**, and the grayscale version is **189, 189, 189**.

A 20% lighter version of the original color is **137, 255, 221**, and **4, 192, 170** is the 20% darker color. If you saturate the color by 10%, you get **55, 250, 218**, and if you desaturate by 10%, it is **105, 250, 226**.

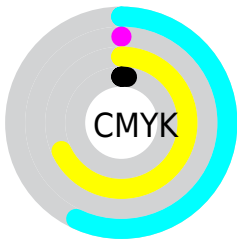
Distribution



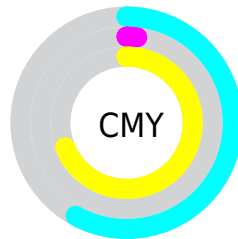
- Red (42%)
- Green (98%)
- Blue (31%)



- Red (31%)
- Yellow (98%)
- Blue (87%)



- Cyan (57%)
- Magenta (0%)
- Yellow (68%)
- Black (2%)



- Cyan (58%)
- Magenta (2%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the RYB color 80, 250, 222 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, 250, 222 by changing the saturation by 10% instead.



80, 250, 222



80, 250, 222

255, 255, 255



50, 221, 198



137, 255, 221



4, 192, 170



165, 255, 218



0, 164, 164



194, 255, 216



0, 137, 137



223, 255, 223



0, 110, 110



253, 255, 253



0, 84, 84



0, 60, 60



0, 35, 35



0, 0, 0

 80, 250, 222

 80, 250, 222

 55, 250, 218

 105, 250, 226

 30, 250, 214

 130, 250, 230

 5, 250, 210

 155, 250, 234

 0, 250, 209

 180, 250, 238

 205, 250, 243

 230, 250, 247

 254, 250, 255

 255, 250, 255

Harmonies

Analogous

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



0, 231, 12



80, 250, 222



0, 152, 255

Triad

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



80, 250, 222



0, 125, 255



255, 126, 178

Complementary

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



80, 250, 222



222, 80, 250

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, 133, 255



80, 250, 222



110, 171, 255

Square

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



80, 250, 222



0, 128, 255



255, 174, 255



255, 207, 93

Rectangle

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



80, 250, 222



0, 132, 255



255, 174, 255



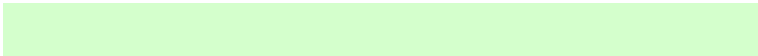
255, 123, 208

Sweetspot

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



80, 250, 222



204, 255, 247



114, 250, 80



97, 128, 123



0, 0, 0



128, 128, 128

Same Dimension

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



80, 250, 222



46, 255, 221



80, 207, 250



112, 125, 122



0, 189, 158



0, 61, 51

Inverse Universe

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



222, 80, 250



221, 46, 255



250, 80, 193



123, 112, 125



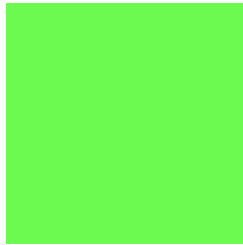
158, 0, 189



51, 0, 61

Previews

White Background



This preview shows how the RYB color 80, 250, 222 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, 250, 222 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

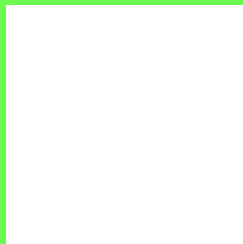
Any Text WCAG AAA ✓ Pass

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

RYB 80, 250, 222 Background



This preview shows how black text looks on a background with the RYB color 80, 250, 222.

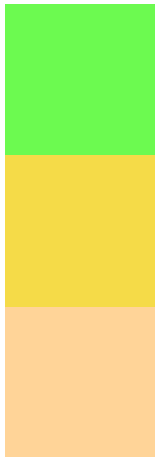


This preview shows how white text looks on a background with the RYB color 80, 250, 222.

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, 250, 222

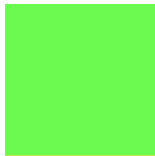
Protanopia
103, 245, 72

Deuteranopia
226, 255, 152



Tritanopia
144, 193, 252

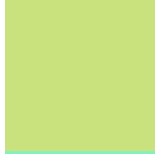
Trichromacy



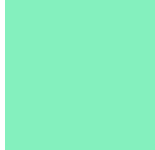
Original Color
80, 250, 222



Protanomaly
75, 230, 110



Deuteranomaly
126, 226, 150

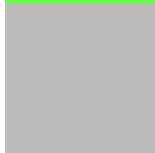


Tritanomaly
131, 202, 240

Monochromacy



Original Color
80, 250, 222



Achromatopsia
188, 188, 188



Achromatomaly
149, 211, 201

CSS Examples

Text

The CSS property to change the color of the text to RYB 80, 250, 222 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(108, 250, 80)` looks like.

```
.text, #text, p{  
    color:rgb(108, 250, 80)  
}
```

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(108, 250, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 250, 80) }
```

Border

The CSS property to change the border of an element to RYB 80, 250, 222 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(108, 250, 80) }
```

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

```
.border{ border-color:rgb(108, 250, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 250, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 250, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 250, 80);  
box-shadow:4px 4px 4px 4px rgb(108, 250,  
80) }
```

Background

The CSS property to change the background color of an element to RYB 80, 250, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 250, 80) }
```

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

```
.background{ background-color: rgb(108,  
250, 80) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor