

Converting Colors

`RYB(81, 208, 88)`

Have a look what the booklet for
RYB(81, 208, 88) contains.

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Color

RYB(81, 208, 88)

Conversions

Conversions Part 1

Format	Color
Hex	C9D051
RGB	201, 208, 81
RGB Percent	79%, 82%, 32%
CMY	0.2118, 0.1843, 0.6824
CMYK	0.03, 0.00, 0.61, 0.18
HSL	63°, 57%, 57%
HSV	63°, 61%, 82%
XYZ	48.1285, 58.1233, 16.4669
YIQ	191.4290, 36.5950, -40.9810

Conversions

Conversions Part 2

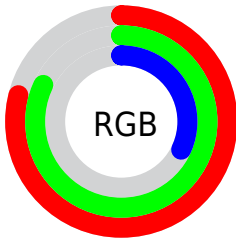
Format	Color
R _Y B	81, 208, 88
Decimal	13226065
CIE Lab	80.81, -18.75, 60.35
CIE LCh	81, 63.197, 107.255
Yxy	58.1233, 0.3922, 0.4736
Android (android.graphics.Color)	4291416145 (0xFFC9D051)
YUV	191.4290, -54.4415, 8.3938
Hunter-Lab	76.2387, -20.7329, 40.5610

Details

The RYB color **81, 208, 88** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **88, 81, 208**, and the grayscale version is **192, 192, 192**.

A 20% lighter version of the original color is **135, 255, 135**, and **21, 154, 31** is the 20% darker color. If you saturate the color by 10%, you get **60, 208, 68**, and if you desaturate by 10%, it is **102, 208, 108**.

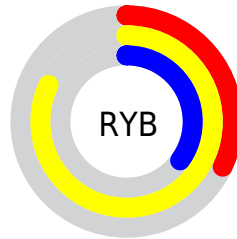
Distribution



Red (79%)

Green (82%)

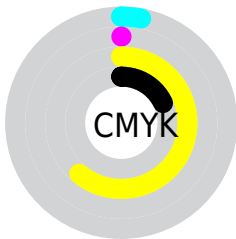
Blue (32%)



Red (32%)

Yellow (82%)

Blue (35%)

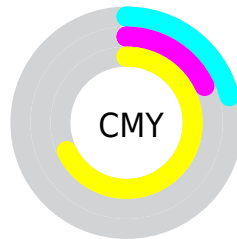


Cyan (3%)

Magenta (0%)

Yellow (61%)

Black (18%)



Cyan (21%)


















Magenta (18%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the RYB color 81, 208, 88 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 81, 208, 88 by changing the saturation by 10% instead.

 81, 208, 88	 81, 208, 88
 255, 255, 255	 53, 181, 62
 135, 255, 135	 21, 154, 31
 163, 255, 163	 0, 128, 12
 191, 255, 191	 0, 103, 14
 220, 255, 220	 0, 79, 16
 249, 255, 249	 0, 56, 19
	 0, 35, 25
	 0, 6, 6
	 0, 0, 0

81, 208, 88

81, 208, 88

60, 208, 68

102, 208, 108

39, 208, 48

123, 208, 128

19, 208, 29

143, 208, 147

0, 208, 11

164, 208, 166

185, 208, 186

206, 208, 206

209, 208, 227

210, 208, 247

211, 208, 255

Harmonies

Analogous

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



187, 255, 81



81, 208, 88



117, 221, 205

Triad

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



81, 208, 88



0, 120, 255



255, 152, 228

Complementary

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



81, 208, 88



88, 81, 208

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.



248, 171, 255



81, 208, 88



0, 116, 255

Square

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



81, 208, 88



0, 116, 234



160, 186, 255



255, 150, 169

Rectangle

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



81, 208, 88



63, 169, 227



160, 186, 255



255, 157, 248

Sweetspot

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



81, 208, 88



209, 255, 212



208, 87, 81



99, 128, 101



0, 0, 0



128, 128, 128

Same Dimension

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



81, 208, 88



69, 255, 79



81, 208, 151



94, 105, 95



0, 168, 9



0, 41, 2

Inverse Universe

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



88, 81, 208



79, 69, 255



151, 81, 208



95, 94, 105



9, 0, 168



2, 0, 41

Previews

White Background



This preview shows how the RYB color 81, 208, 88 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 81, 208, 88 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 81, 208, 88 Background



This preview shows how black text looks on a background with the RYB color 81, 208, 88.

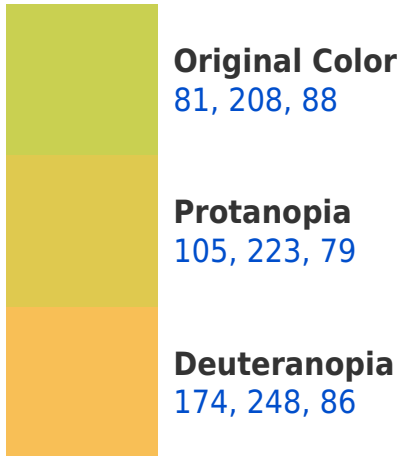



This preview shows how white text looks on a background with the RYB color 81, 208, 88.

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
214, 195, 210

Trichromacy



Original Color
81, 208, 88

Protanomaly
92, 215, 80

Deuteranomaly
128, 231, 84

Tritanomaly
174, 209, 163

Monochromacy



Original Color
81, 208, 88

Achromatopsia
191, 191, 191

Achromatomaly
151, 197, 153

CSS Examples

Text

The CSS property to change the color of the text to RYB 81, 208, 88 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(201, 208, 81)` looks like.

```
.text, #text, p{  
    color:rgb(201, 208, 81)  
}
```

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(201, 208, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 208, 81) }
```

Border

The CSS property to change the border of an element to RYB 81, 208, 88 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(201, 208, 81) }
```

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

```
.border{ border-color:rgb(201, 208, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 208, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 208, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 208, 81);  
box-shadow:4px 4px 4px 4px rgb(201, 208,  
81) }
```

Background

The CSS property to change the background color of an element to RGB 201, 208, 81 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 208, 81) }
```

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

```
.background{ background-color: rgb(201,  
208, 81) }
```

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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