

Converting Colors

`RYB(88, 177, 245)`

Have a look what the booklet for
RYB(88, 177, 245) contains.

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Color

RYB(88, 177, 245)

Conversions

Conversions Part 1

Format	Color
Hex	58F5D0
RGB	88, 245, 208
RGB Percent	35%, 96%, 82%
CMY	0.6549, 0.0392, 0.1845
CMYK	0.64, 0.00, 0.15, 0.04
HSL	166°, 89%, 65%
HSV	166°, 64%, 96%
XYZ	48.0565, 71.9314, 70.9968
YIQ	193.8390, -81.6950, -44.7910

Conversions

Conversions Part 2

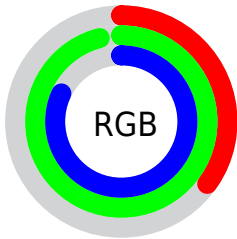
Format	Color
RYB	88, 177, 245
Decimal	5830096
CIELab	87.94, -49.67, 5.77
CIELCh	88, 50.004, 173.374
Yxy	71.9314, 0.2516, 0.3766
Android (android.graphics.Color)	4284020176 (0xFF58F5D0)
YUV	193.8390, 6.9814, -92.8208
Hunter-Lab	84.8124, -47.2796, 9.7367

Details

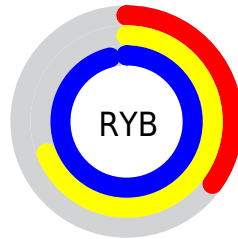
The RYB color **88, 177, 245** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **245, 88, 125**, and the grayscale version is **194, 194, 194**.

A 20% lighter version of the original color is **153, 204, 255**, and **0, 103, 188** is the 20% darker color. If you saturate the color by 10%, you get **64, 167, 245**, and if you desaturate by 10%, it is **113, 188, 245**.

Distribution



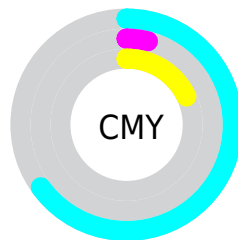
- Red (35%)
- Green (96%)
- Blue (82%)



- Red (35%)
- Yellow (69%)
- Blue (96%)



- Cyan (64%)
- Magenta (0%)
- Yellow (15%)
- Black (4%)




















- Cyan (65%)
- Magenta (4%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the RYB color 88, 177, 245 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 88, 177, 245 by changing the saturation by 10% instead.


 88, 177, 245	 88, 177, 245
 255, 255, 255	 48, 142, 216
 153, 204, 255	 0, 103, 188
 184, 220, 255	 0, 89, 160
 215, 235, 255	 0, 75, 133
 246, 251, 255	 0, 62, 107
	 0, 49, 82
	 0, 36, 57
	 0, 26, 35
	 0, 0, 0


 88, 177, 245


 88, 177, 245

 64, 167, 245

 113, 188, 245

 39, 156, 245

 137, 198, 245

 15, 145, 245

 162, 209, 245

 0, 139, 245

 186, 219, 245

 211, 230, 245

 235, 241, 245

 255, 245, 248

 255, 245, 254

 255, 245, 255

Harmonies

Analogous

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



158, 236, 240



88, 177, 245



0, 125, 255

Triad

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



88, 177, 245



210, 212, 255



255, 242, 146

Complementary

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



88, 177, 245



245, 88, 125

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, 185, 185



88, 177, 245



255, 195, 255

Square

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



88, 177, 245



127, 184, 255



255, 184, 233



185, 255, 125

Rectangle

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



88, 177, 245



0, 124, 255



255, 184, 233



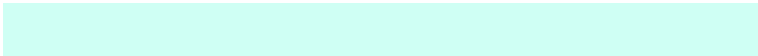
255, 211, 157

Sweetspot

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



88, 177, 245



207, 234, 255



88, 245, 206



98, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



88, 177, 245



59, 170, 255



88, 155, 245



110, 117, 122



0, 105, 186



0, 33, 59

Inverse Universe

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



245, 88, 125



255, 59, 105



245, 140, 88



122, 110, 113



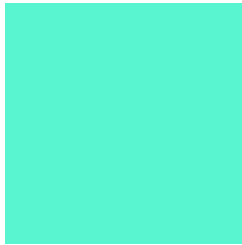
186, 0, 44



59, 0, 14

Previews

White Background



This preview shows how the RYB color 88, 177, 245 looks on a white background.

Color Contrast Check

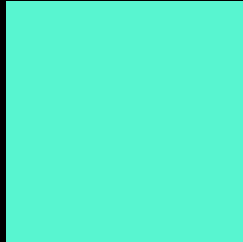
Large Text (above 18pt) WCAG AA × Fail

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 88, 177, 245 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 88, 177, 245 Background



This preview shows how black text looks on a background with the RYB color 88, 177, 245.

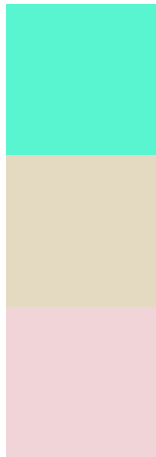


This preview shows how white text looks on a background with the RYB color 88, 177, 245.

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](#).

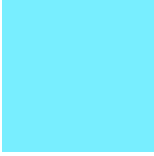
Dichromacy



Original Color
88, 177, 245

Protanopia
208, 228, 194

Deuteranopia
241, 212, 215



Tritanopia
120, 183, 255

Trichromacy



Original Color

88, 177, 245



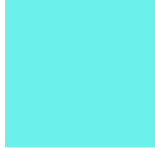
Protanomaly

177, 213, 228



Deuteranomaly

185, 208, 224



Tritanomaly

108, 175, 240

Monochromacy



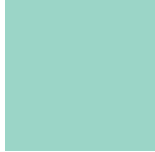
Original Color

88, 177, 245



Achromatopsia

194, 194, 194



Achromatomaly

155, 188, 213

CSS Examples

Text

The CSS property to change the color of the text to RYB 88, 177, 245 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(88, 245, 208)` looks like.

```
.text, #text, p{  
    color:rgb(88, 245, 208)  
}
```

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(88, 245, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 245, 208) }
```

Border

The CSS property to change the border of an element to RYB 88, 177, 245 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(88, 245, 208) }
```

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

```
.border{ border-color:rgb(88, 245, 208) }
```

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

Here you see how a box with a 4 pixel rgb(88, 245, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 245, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 245, 208);  
box-shadow:4px 4px 4px 4px rgb(88, 245,  
208) }
```

Background

The CSS property to change the background color of an element to RYB 88, 177, 245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 245, 208) }
```

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

```
.background{ background-color: rgb(88, 245,  
208) }
```

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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