

Converting Colors

`RYB(88, 158, 244)`

Have a look what the booklet for
RYB(88, 158, 244) contains.

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Color

`RYB(88, 158, 244)`

Conversions

Conversions Part 1

Format	Color
Hex	58D7F4
RGB	88, 215, 244
RGB Percent	35%, 84%, 96%
CMY	0.6549, 0.1570, 0.0431
CMYK	0.64, 0.12, 0.00, 0.04
HSL	191°, 88%, 65%
HSV	191°, 64%, 96%
XYZ	44.6482, 57.1954, 94.2746
YIQ	180.3330, -85.0010, -17.9050

Conversions

Conversions Part 2

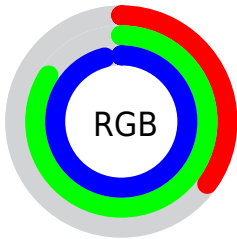
Format	Color
R _Y B	88, 158, 244
Decimal	5822452
CIE Lab	80.29, -26.36, -24.61
CIE LCh	80, 36.061, 223.029
Yxy	57.1954, 0.2277, 0.2916
Android (android.graphics.Color)	4284012532 (0xFF58D7F4)
YUV	180.3330, 31.3878, -80.9760
Hunter-Lab	75.6276, -26.9676, -20.9693

Details

The RYB color **88, 158, 244** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **244, 124, 88**, and the grayscale version is **180, 180, 180**.

A 20% lighter version of the original color is **152, 204, 255**, and **0, 86, 188** is the 20% darker color. If you saturate the color by 10%, you get **64, 145, 244**, and if you desaturate by 10%, it is **112, 171, 244**.

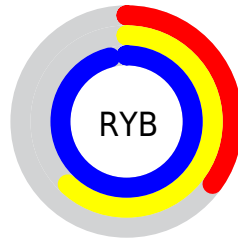
Distribution



Red (35%)

Green (84%)

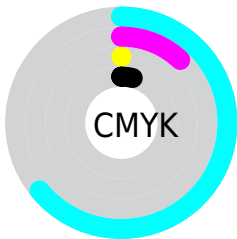
Blue (96%)



Red (35%)

Yellow (62%)

Blue (96%)

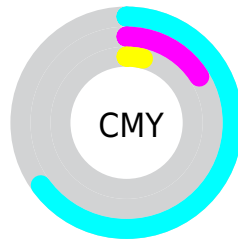


Cyan (64%)

Magenta (12%)

Yellow (0%)

Black (4%)



Cyan (65%)

















Magenta (16%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 88, 158, 244 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, 158, 244 by changing the saturation by 10% instead.

 88, 158, 244	 88, 158, 244
 255, 255, 255	 49, 125, 216
 152, 204, 255	 0, 86, 188
 183, 219, 255	 0, 73, 161
 214, 235, 255	 0, 60, 134
 245, 250, 255	 0, 47, 109
	 0, 35, 85
	 0, 23, 61
	 0, 4, 40
	 0, 1, 17

■ 88, 158, 244

■ 88, 158, 244

■ 64, 145, 244

■ 112, 171, 244

■ 39, 131, 244

■ 137, 185, 244

■ 15, 118, 244

■ 161, 198, 244

■ 0, 110, 244

■ 186, 212, 244

■ 210, 225, 244

■ 234, 238, 244

■ 255, 248, 244

■ 250, 255, 244

■ 244, 255, 244

Harmonies

Analogous

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



95, 158, 218



88, 158, 244



125, 176, 255

Triad

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



88, 158, 244



253, 176, 220



140, 208, 133

Complementary

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



88, 158, 244



244, 124, 88

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.



228, 239, 135



88, 158, 244



255, 174, 186

Square

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



88, 158, 244



222, 185, 249



255, 188, 155



149, 211, 190

Rectangle

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



88, 158, 244



159, 188, 255



255, 188, 155



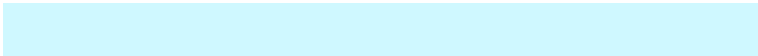
160, 219, 132

Sweetspot

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



88, 158, 244



207, 229, 255



88, 220, 244



98, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



88, 158, 244



59, 147, 255



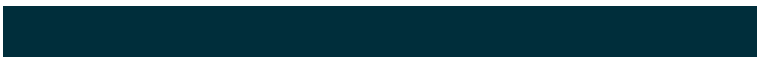
88, 125, 244



110, 115, 122



0, 84, 186



0, 26, 59

Inverse Universe

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



244, 88, 215



255, 59, 218



159, 244, 88



122, 110, 120



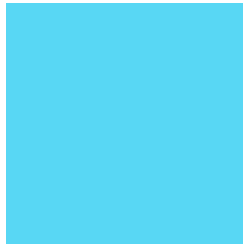
186, 0, 152



59, 0, 48

Previews

White Background



This preview shows how the RYB color 88, 158, 244 looks on a white background.

Color Contrast Check

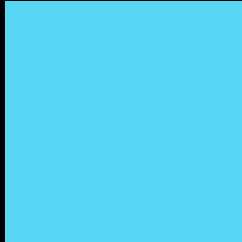
Large Text (above 18pt) WCAG AA × Fail

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, 158, 244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

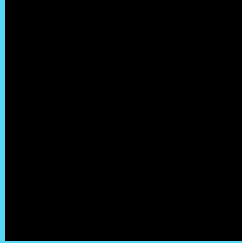
Any Text WCAG AA ✓ Pass

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, 158, 244 Background



This preview shows how black text looks on a background with the RYB color 88, 158, 244.

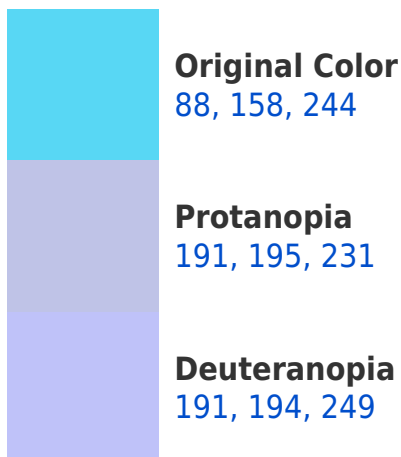


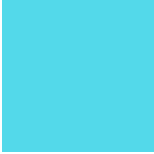
This preview shows how white text looks on a background with the RYB color 88, 158, 244.

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
83, 154, 234

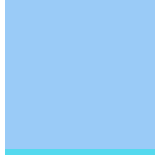
Trichromacy



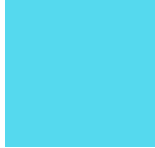
Original Color
88, 158, 244



Protanomaly
154, 185, 236



Deuteranomaly
154, 186, 247

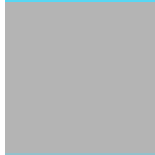


Tritanomaly
85, 156, 238

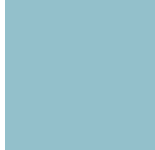
Monochromacy



Original Color
88, 158, 244



Achromatopsia
180, 180, 180



Achromatomaly
147, 172, 203

CSS Examples

Text

The CSS property to change the color of the text to RYB 88, 158, 244 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, 215, 244)` looks like.

```
.text, #text, p{  
    color:rgb(88, 215, 244)  
}
```

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, 215, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 215, 244) }
```

Border

The CSS property to change the border of an element to RYB 88, 158, 244 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, 215, 244) }
```

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

```
.border{ border-color:rgb(88, 215, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 215, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 215, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 215, 244);  
box-shadow:4px 4px 4px 4px rgb(88, 215,  
244) }
```

Background

The CSS property to change the background color of an element to RYB 88, 158, 244 is called "background".

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

```
.background, #background, body{  
background: rgb(88, 215, 244) }
```

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

```
.background{ background-color: rgb(88, 215,  
244) }
```

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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