

Converting Colors

`RYB(88, 176, 226)`

Have a look what the booklet for
RYB(88, 176, 226) contains.

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Color

RYB(88, 176, 226)

Conversions

Conversions Part 1

Format	Color
Hex	58E2A6
RGB	88, 226, 166
RGB Percent	35%, 89%, 65%
CMY	0.6549, 0.1137, 0.3474
CMYK	0.61, 0.00, 0.26, 0.11
HSL	154°, 70%, 62%
HSV	154°, 61%, 89%
XYZ	38.1414, 59.2356, 45.6968
YIQ	177.8980, -62.9880, -47.9160

Conversions

Conversions Part 2

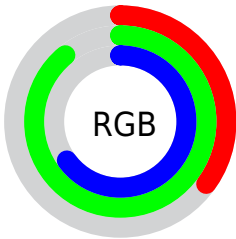
Format	Color
RYB	88, 176, 226
Decimal	5825190
CIELab	81.42, -51.12, 18.23
CIElCh	81, 54.271, 160.376
Yxy	59.2356, 0.2666, 0.4140
Android (android.graphics.Color)	4284015270 (0xFF58E2A6)
YUV	177.8980, -5.8657, -78.8405
Hunter-Lab	76.9647, -46.2290, 18.6726

Details

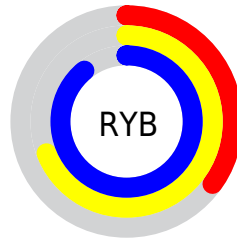
The RYB color **88, 176, 226** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **226, 88, 148**, and the grayscale version is **178, 178, 178**.

A 20% lighter version of the original color is **149, 212, 255**, and **0, 102, 170** is the 20% darker color. If you saturate the color by 10%, you get **65, 167, 226**, and if you desaturate by 10%, it is **111, 184, 226**.

Distribution



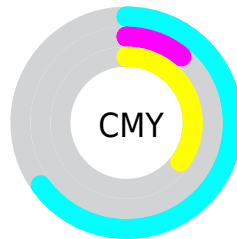
- Red (35%)
- Green (89%)
- Blue (65%)



- Red (35%)
- Yellow (69%)
- Blue (89%)



- Cyan (61%)
- Magenta (0%)
- Yellow (26%)
- Black (11%)




















- Cyan (65%)
- Magenta (11%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the RYB color 88, 176, 226 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, 176, 226 by changing the saturation by 10% instead.


 88, 176, 226	 88, 176, 226
 255, 255, 255	 53, 143, 197
 149, 212, 255	 0, 102, 170
 179, 218, 255	 0, 87, 142
 209, 232, 255	 0, 74, 116
 240, 248, 255	 0, 61, 90
	 0, 50, 66
	 0, 44, 44
	 0, 10, 10
	 0, 0, 0

 88, 176, 226


 88, 176, 226

 65, 167, 226

 111, 184, 226

 43, 160, 226

 133, 192, 226

 20, 151, 226

 156, 201, 226

 0, 144, 226

 178, 209, 226

 201, 217, 226

 224, 225, 226

 246, 226, 235

 255, 226, 244

 255, 226, 254

Harmonies

Analogous

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



122, 218, 179



88, 176, 226



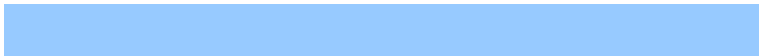
0, 117, 229

Triad

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



88, 176, 226



151, 185, 255



255, 181, 139

Complementary

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



88, 176, 226



226, 88, 148

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, 160, 186



88, 176, 226



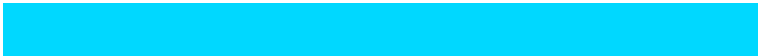
230, 182, 255

Square

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



88, 176, 226



0, 117, 255



255, 165, 238



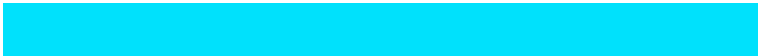
228, 255, 106

Rectangle

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



88, 176, 226



0, 119, 252



255, 165, 238



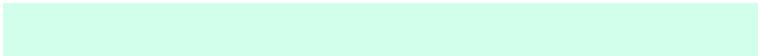
255, 166, 154

Sweetspot

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



88, 176, 226



209, 238, 255



88, 226, 166



99, 118, 128



0, 0, 0



128, 128, 128

Same Dimension

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



88, 176, 226



69, 187, 255



88, 155, 226



101, 108, 112



0, 112, 176



0, 30, 48

Inverse Universe

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



226, 88, 148



255, 69, 149



226, 98, 88



112, 101, 106



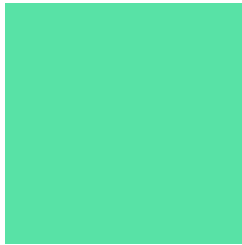
176, 0, 76



48, 0, 21

Previews

White Background



This preview shows how the RYB color 88, 176, 226 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, 176, 226 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

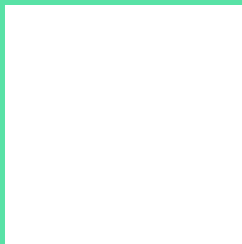
Any Text WCAG AAA ✓ Pass

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

RGB 88, 176, 226 Background



This preview shows how black text looks on a background with the RGB color 88, 176, 226.

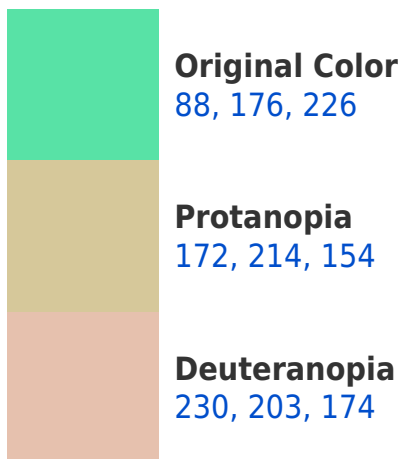



This preview shows how white text looks on a background with the RGB color 88, 176, 226.

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
111, 168, 235

Trichromacy



Original Color

88, 176, 226



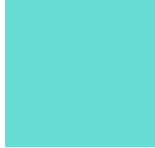
Protanomaly

159, 209, 200



Deuteranomaly

171, 205, 198



Tritanomaly

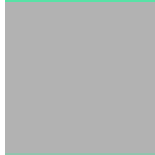
103, 164, 220

Monochromacy



Original Color

88, 176, 226



Achromatopsia

178, 178, 178



Achromatomaly

145, 177, 195

CSS Examples

Text

The CSS property to change the color of the text to RYB 88, 176, 226 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, 226, 166)` looks like.

```
.text, #text, p{  
    color:rgb(88, 226, 166)  
}
```

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, 226, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 226, 166) }
```

Border

The CSS property to change the border of an element to RYB 88, 176, 226 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, 226, 166) }
```

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

```
.border{ border-color:rgb(88, 226, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 226, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 226, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 226, 166);  
box-shadow:4px 4px 4px 4px rgb(88, 226,  
166) }
```

Background

The CSS property to change the background color of an element to RYB 88, 176, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 226, 166) }
```

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

```
.background{ background-color: rgb(88, 226,  
166) }
```

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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