

Converting Colors

`RYB(88, 174, 212)`

Have a look what the booklet for
RYB(88, 174, 212) contains.

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Color

`RYB(88, 174, 212)`

Conversions

Conversions Part 1

Format	Color
Hex	58D48F
RGB	88, 212, 143
RGB Percent	35%, 83%, 56%
CMY	0.6549, 0.1686, 0.4400
CMYK	0.58, 0.00, 0.33, 0.17
HSL	147°, 59%, 59%
HSV	147°, 58%, 83%
XYZ	32.5101, 51.1385, 34.0608
YIQ	167.0580, -51.7550, -47.7470

Conversions

Conversions Part 2

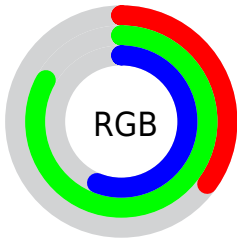
Format	Color
RYB	88, 174, 212
Decimal	5821583
CIELab	76.76, -50.17, 24.17
CIELCh	77, 55.684, 154.276
Yxy	51.1385, 0.2762, 0.4344
Android (android.graphics.Color)	4284011663 (0xFF58D48F)
YUV	167.0580, -11.8606, -69.3339
Hunter-Lab	71.5112, -43.9958, 21.8180

Details

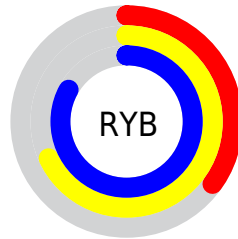
The RYB color **88, 174, 212** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **212, 88, 157**, and the grayscale version is **167, 167, 167**.

A 20% lighter version of the original color is **147, 221, 255**, and **2, 99, 156** is the 20% darker color. If you saturate the color by 10%, you get **67, 168, 212**, and if you desaturate by 10%, it is **109, 180, 212**.

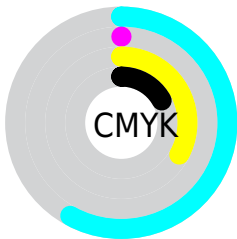
Distribution



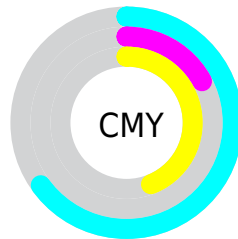
- Red (35%)
- Green (83%)
- Blue (56%)



- Red (35%)
- Yellow (68%)
- Blue (83%)



- Cyan (58%)
- Magenta (0%)
- Yellow (33%)
- Black (17%)





- Cyan (65%)
- Magenta (17%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the RYB color 88, 174, 212 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, 174, 212 by changing the saturation by 10% instead.

 88, 174, 212

 88, 174, 212

255, 255, 255

 55, 142, 184

 147, 221, 255

 2, 99, 156

 177, 225, 255

 0, 85, 130

 206, 231, 255

 0, 73, 104


 236, 246, 255


 0, 60, 78


 0, 54, 54

 0, 31, 31


 0, 0, 0


 88, 174, 212


 88, 174, 212

 67, 168, 212

 109, 180, 212

 46, 161, 212

 130, 187, 212

 24, 154, 212

 152, 194, 212

 3, 148, 212

 173, 200, 212

 0, 147, 212

 194, 206, 212

 215, 212, 214

 236, 212, 226

 255, 212, 237

 255, 212, 249

Harmonies

Analogous

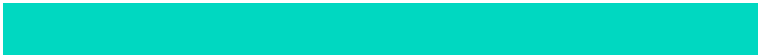
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



101, 203, 145



88, 174, 212



0, 114, 216

Triad

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



88, 174, 212



111, 163, 255



255, 157, 134

Complementary

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



88, 174, 212



212, 88, 157

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, 145, 184



88, 174, 212



203, 173, 255

Square

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



88, 174, 212



0, 114, 255



255, 154, 235



255, 238, 96

Rectangle

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



88, 174, 212



0, 111, 230



255, 154, 235



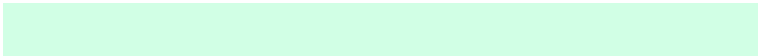
255, 149, 150

Sweetspot

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



88, 174, 212



209, 241, 255



88, 212, 142



99, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



88, 174, 212



77, 201, 255



88, 152, 212



96, 104, 107



0, 119, 171



0, 30, 43

Inverse Universe

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



212, 88, 157



255, 77, 176



212, 88, 96



107, 96, 102



171, 0, 95



43, 0, 24

Previews

White Background



This preview shows how the RYB color 88, 174, 212 looks on a white background.

Color Contrast Check

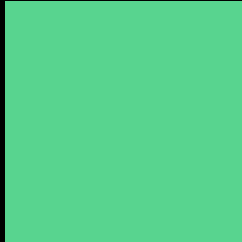
Large Text (above 18pt) WCAG AA × Fail

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, 174, 212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

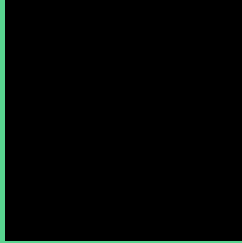
Any Text WCAG AA ✓ Pass

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 88, 174, 212 Background



This preview shows how black text looks on a background with the R Y B color 88, 174, 212.

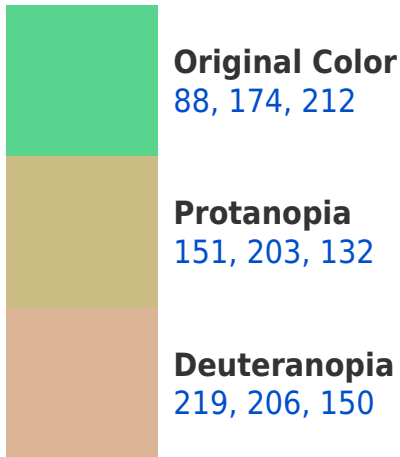


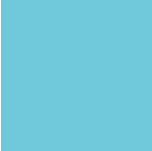
This preview shows how white text looks on a background with the R Y B color 88, 174, 212.

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, 160, 219

Trichromacy



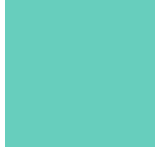
Original Color
88, 174, 212



Protanomaly
136, 197, 172



Deuteranomaly
147, 192, 168



Tritanomaly
103, 159, 206

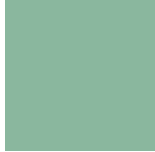
Monochromacy



Original Color
88, 174, 212



Achromatopsia
167, 167, 167



Achromatomaly
138, 169, 183

CSS Examples

Text

The CSS property to change the color of the text to RYB 88, 174, 212 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, 212, 143)` looks like.

```
.text, #text, p{  
    color:rgb(88, 212, 143)  
}
```

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, 212, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 212, 143) }
```

Border

The CSS property to change the border of an element to RYB 88, 174, 212 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, 212, 143) }
```

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

```
.border{ border-color:rgb(88, 212, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 212, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 212, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 212, 143);  
box-shadow:4px 4px 4px 4px rgb(88, 212,  
143) }
```

Background

The CSS property to change the background color of an element to RYB 88, 174, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 212, 143) }
```

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

```
.background{ background-color: rgb(88, 212,  
143) }
```

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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