

Converting Colors

`RYB(86, 158, 215)`

Have a look what the booklet for RYB(86, 158, 215) contains.

RYB(86, 158, 215)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RYB(86, 158, 215)

Conversions

Conversions Part 1

Format	Color
Hex	56D7BC
RGB	86, 215, 188
RGB Percent	34%, 84%, 74%
CMY	0.6627, 0.1569, 0.2623
CMYK	0.60, 0.00, 0.12, 0.16
HSL	168°, 62%, 59%
HSV	168°, 60%, 84%
XYZ	37.2288, 54.2155, 56.1501
YIQ	173.3510, -68.2170, -35.7450

Conversions

Conversions Part 2

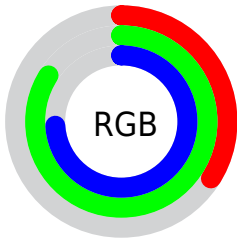
Format	Color
RYB	86, 158, 215
Decimal	5691324
CIELab	78.59, -41.87, 2.70
CIElCh	79, 41.957, 176.313
Yxy	54.2155, 0.2522, 0.3673
Android (android.graphics.Color)	4283881404 (0xFF56D7BC)
YUV	173.3510, 7.2220, -76.6068
Hunter-Lab	73.6312, -38.6030, 6.3281

Details

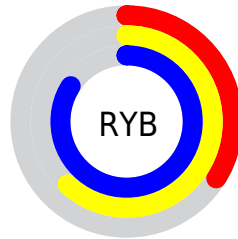
The RYB color **86, 158, 215** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **215, 86, 113**, and the grayscale version is **173, 173, 173**.

A 20% lighter version of the original color is **147, 204, 255**, and **0, 86, 159** is the 20% darker color. If you saturate the color by 10%, you get **65, 149, 215**, and if you desaturate by 10%, it is **108, 168, 215**.

Distribution



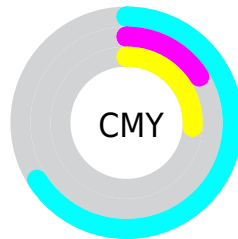
- Red (34%)
- Green (84%)
- Blue (74%)



- Red (34%)
- Yellow (62%)
- Blue (84%)



- Cyan (60%)
- Magenta (0%)
- Yellow (12%)
- Black (16%)





- Cyan (66%)
- Magenta (16%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the RYB color 86, 158, 215 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 86, 158, 215 by changing the saturation by 10% instead.

 86, 158, 215

 86, 158, 215

255, 255, 255

 51, 126, 187

 147, 204, 255

 0, 86, 159

 177, 216, 255

 0, 73, 133

 207, 231, 255

 0, 60, 107


 237, 246, 255


 0, 47, 82

 0, 34, 58

 0, 24, 37

 0, 0, 0

 86, 158, 215

 86, 158, 215

■ 65, 149, 215

■ 108, 168, 215

■ 43, 139, 215

■ 129, 177, 215

■ 21, 129, 215

■ 151, 187, 215

■ 0, 120, 215

■ 172, 196, 215

■ 194, 206, 215

■ 215, 215, 215

■ 237, 215, 219

■ 255, 215, 224

■ 255, 215, 228

Harmonies

Analogous

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



139, 201, 211



86, 158, 215



23, 122, 228

Triad

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



86, 158, 215



192, 186, 255



255, 204, 131

Complementary

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



86, 158, 215



215, 86, 113

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, 166, 162



86, 158, 215



239, 172, 238

Square

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



86, 158, 215



129, 174, 255



255, 164, 201



166, 224, 116

Rectangle

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



86, 158, 215



31, 130, 250



255, 164, 201



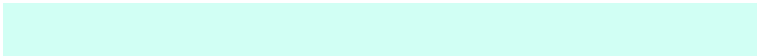
255, 186, 140

Sweetspot

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



86, 158, 215



209, 235, 255



86, 215, 187



99, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



86, 158, 215



71, 174, 255



86, 140, 215



96, 102, 107



0, 96, 171



0, 24, 43

Inverse Universe

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



215, 86, 113



255, 71, 110



215, 138, 86



107, 96, 99



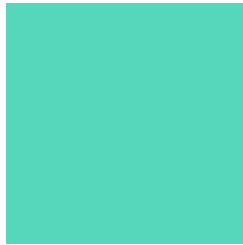
171, 0, 36



43, 0, 9

Previews

White Background



This preview shows how the RYB color 86, 158, 215 looks on a white background.

Color Contrast Check

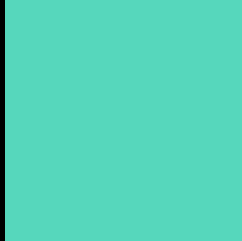
Large Text (above 18pt) WCAG AA × Fail

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 86, 158, 215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

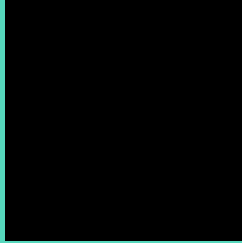
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

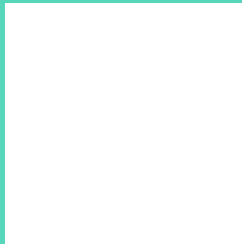
Any Text WCAG AAA ✓ Pass

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

RYB 86, 158, 215 Background



This preview shows how black text looks on a background with the RYB color 86, 158, 215.

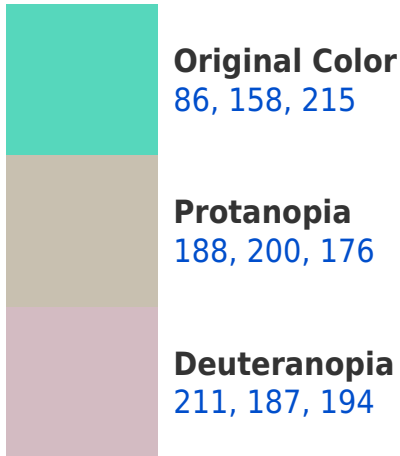


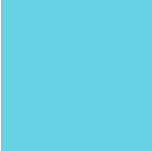
This preview shows how white text looks on a background with the RYB color 86, 158, 215.

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
101, 159, 226

Trichromacy



Original Color

86, 158, 215



Protanomaly

159, 186, 200



Deuteranomaly

166, 183, 197



Tritanomaly

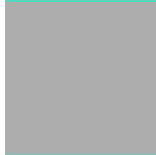
96, 154, 212

Monochromacy



Original Color

86, 158, 215



Achromatopsia

173, 173, 173



Achromatomaly

141, 167, 188

CSS Examples

Text

The CSS property to change the color of the text to RYB 86, 158, 215 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(86, 215, 188)` looks like.

```
.text, #text, p{  
    color:rgb(86, 215, 188)  
}
```

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(86, 215, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 215, 188) }
```

Border

The CSS property to change the border of an element to RYB 86, 158, 215 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(86, 215, 188) }
```

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

```
.border{ border-color:rgb(86, 215, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 215, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 215, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 215, 188);  
box-shadow:4px 4px 4px 4px rgb(86, 215,  
188) }
```

Background

The CSS property to change the background color of an element to RGB 86, 158, 215 is called "background".

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

```
.background, #background, body{  
background: rgb(86, 215, 188) }
```

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

```
.background{ background-color: rgb(86, 215,  
188) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor