

Converting Colors

`RYB(96, 158, 201)`

Have a look what the booklet for
RYB(96, 158, 201) contains.

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Color

`RYB(96, 158, 201)`

Conversions

Conversions Part 1

Format	Color
Hex	60C9A9
RGB	96, 201, 169
RGB Percent	38%, 79%, 66%
CMY	0.6235, 0.2118, 0.3380
CMYK	0.52, 0.00, 0.16, 0.21
HSL	162°, 49%, 58%
HSV	162°, 52%, 79%
XYZ	32.8553, 47.1180, 44.8119
YIQ	165.9570, -52.3080, -32.2120

Conversions

Conversions Part 2

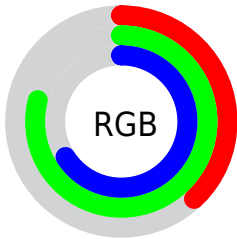
Format	Color
RYB	96, 158, 201
Decimal	6343081
CIELab	74.27, -38.17, 6.86
CIELCh	74, 38.779, 169.807
Yxy	47.1180, 0.2633, 0.3776
Android (android.graphics.Color)	4284533161 (0xFF60C9A9)
YUV	165.9570, 1.5002, -61.3523
Hunter-Lab	68.6426, -34.6866, 9.3435

Details

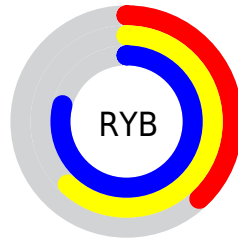
The RYB color **96, 158, 201** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **201, 96, 128**, and the grayscale version is **166, 166, 166**.

A 20% lighter version of the original color is **153, 213, 255**, and **31, 97, 146** is the 20% darker color. If you saturate the color by 10%, you get **76, 150, 201**, and if you desaturate by 10%, it is **116, 166, 201**.

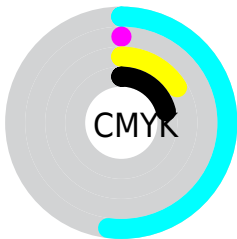
Distribution



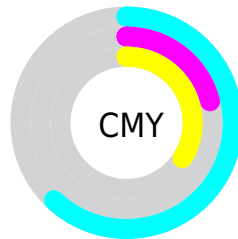
- Red (38%)
- Green (79%)
- Blue (66%)



- Red (38%)
- Yellow (62%)
- Blue (79%)



- Cyan (52%)
- Magenta (0%)
- Yellow (16%)
- Black (21%)


















- Cyan (62%)
- Magenta (21%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the RYB color 96, 158, 201 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 96, 158, 201 by changing the saturation by 10% instead.

 96, 158, 201	 96, 158, 201
 255, 255, 255	 66, 129, 173
 153, 213, 255	 31, 97, 146
 182, 219, 255	 0, 68, 120
 211, 233, 255	 0, 55, 95
 241, 248, 255	 0, 42, 70
	 0, 30, 47
	 0, 24, 24
	 0, 0, 0

 96, 158, 201	 96, 158, 201
--	--

■ 76, 150, 201

■ 116, 166, 201

■ 56, 141, 201

■ 136, 174, 201

■ 36, 134, 201

■ 156, 183, 201

■ 16, 125, 201

■ 176, 191, 201

■ 0, 119, 201

■ 197, 199, 201

■ 217, 201, 206

■ 237, 201, 212

■ 255, 201, 218

■ 255, 201, 224

Harmonies

Analogous

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



135, 196, 189



96, 158, 201



48, 126, 206

Triad

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



96, 158, 201



169, 177, 249



242, 179, 130

Complementary

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



96, 158, 201



201, 96, 128

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.



253, 156, 160



96, 158, 201



216, 165, 229

Square

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



96, 158, 201



111, 162, 252



244, 156, 196



179, 217, 112

Rectangle

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



96, 158, 201



38, 125, 227



244, 156, 196



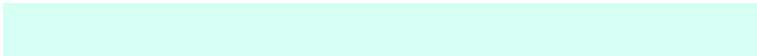
248, 167, 139

Sweetspot

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



96, 158, 201



214, 238, 255



96, 201, 168



103, 118, 128



0, 0, 0



128, 128, 128

Same Dimension

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



96, 158, 201



94, 189, 255



96, 143, 201



90, 95, 99



0, 96, 163



0, 21, 36

Inverse Universe

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



201, 96, 128



255, 94, 144



201, 119, 96



99, 90, 93



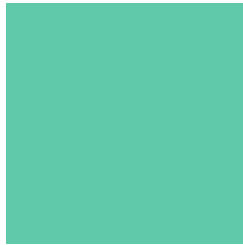
163, 0, 50



36, 0, 11

Previews

White Background



This preview shows how the RYB color 96, 158, 201 looks on a white background.

Color Contrast Check

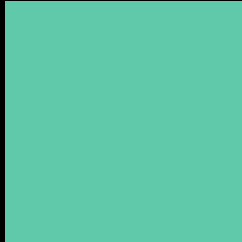
Large Text (above 18pt) WCAG AA × Fail

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 96, 158, 201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

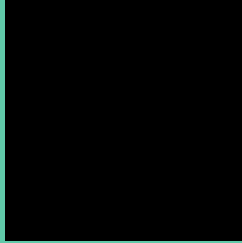
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

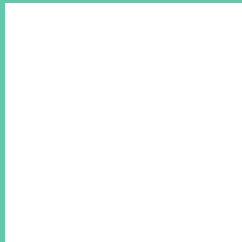
Any Text WCAG AAA ✓ Pass

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

R Y B 96, 158, 201 Background



This preview shows how black text looks on a background with the R Y B color 96, 158, 201.

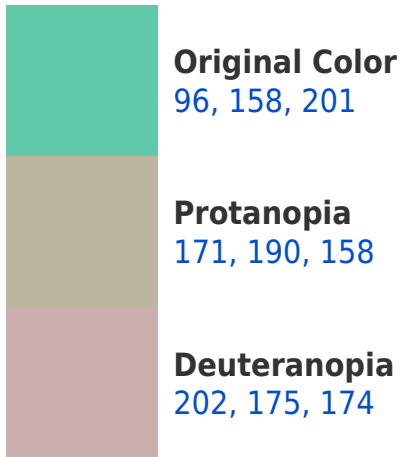


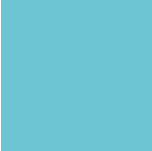
This preview shows how white text looks on a background with the R Y B color 96, 158, 201.

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





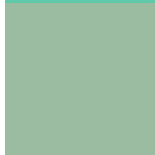
Tritanopia
109, 156, 211

Trichromacy



Original Color

96, 158, 201



Protanomaly

156, 183, 188



Deuteranomaly

163, 178, 184



Tritanomaly

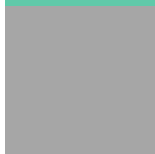
104, 151, 197

Monochromacy



Original Color

96, 158, 201



Achromatopsia

166, 166, 166



Achromatomaly

141, 164, 179

CSS Examples

Text

The CSS property to change the color of the text to RYB 96, 158, 201 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(96, 201, 169)` looks like.

```
.text, #text, p{  
    color:rgb(96, 201, 169)  
}
```

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(96, 201, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 201, 169) }
```

Border

The CSS property to change the border of an element to RYB 96, 158, 201 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(96, 201, 169) }
```

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

```
.border{ border-color:rgb(96, 201, 169) }
```

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

Here you see how a box with a 4 pixel rgb(96, 201, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 201, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 201, 169);  
box-shadow:4px 4px 4px 4px rgb(96, 201,  
169) }
```

Background

The CSS property to change the background color of an element to RYB 96, 158, 201 is called "background".

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

```
.background, #background, body{  
background: rgb(96, 201, 169) }
```

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

```
.background{ background-color: rgb(96, 201,  
169) }
```

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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