

Converting Colors

`RYB(117, 193, 203)`

Have a look what the booklet for
RYB(117, 193, 203) contains.

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Color

R_YB(117, 193, 203)

Conversions

Conversions Part 1

Format	Color
Hex	75CB80
RGB	117, 203, 128
RGB Percent	46%, 80%, 50%
CMY	0.5412, 0.2039, 0.4968
CMYK	0.42, 0.00, 0.37, 0.20
HSL	128°, 45%, 63%
HSV	128°, 42%, 80%
XYZ	32.6092, 48.0606, 28.0892
YIQ	168.7360, -27.1810, -41.5570

Conversions

Conversions Part 2

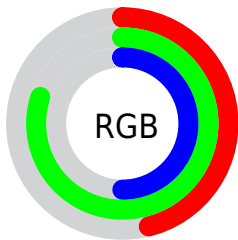
Format	Color
RYB	117, 193, 203
Decimal	7719808
CIELab	74.86, -41.62, 29.34
CIELCh	75, 50.926, 144.817
Yxy	48.0606, 0.2998, 0.4419
Android (android.graphics.Color)	4285909888 (0xFF75CB80)
YUV	168.7360, -20.0828, -45.3725
Hunter-Lab	69.3258, -37.3580, 24.5051

Details

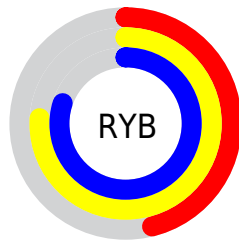
The RYB color **117, 193, 203** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **203, 117, 192**, and the grayscale version is **169, 169, 169**.

A 20% lighter version of the original color is **173, 248, 255**, and **62, 135, 148** is the 20% darker color. If you saturate the color by 10%, you get **97, 191, 203**, and if you desaturate by 10%, it is **137, 195, 203**.

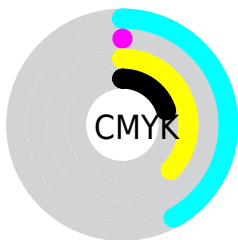
Distribution



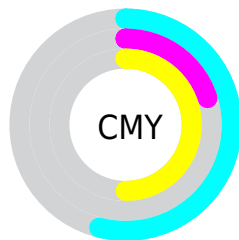
- Red (46%)
- Green (80%)
- Blue (50%)



- Red (46%)
- Yellow (76%)
- Blue (80%)



- Cyan (42%)
- Magenta (0%)
- Yellow (37%)
- Black (20%)



- Cyan (54%)
- Magenta (20%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the RYB color 117, 193, 203 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 117, 193, 203 by changing the saturation by 10% instead.

 117, 193, 203


255, 255, 255


 173, 247, 255


 201, 247, 255

 230, 249, 255

 117, 193, 203

 90, 164, 175

 62, 135, 148

 31, 104, 122


 0, 73, 96


 0, 66, 72


 0, 48, 48

 0, 26, 26


 0, 0, 0

 117, 193, 203


 117, 193, 203

 97, 191, 203


 137, 195, 203

 76, 188, 203


 158, 198, 203

 56, 186, 203

 178, 200, 203

 36, 184, 203

 198, 202, 203

 16, 182, 203

 219, 203, 216

 0, 179, 203

 239, 203, 234

 255, 203, 252

 255, 203, 255

Harmonies

Analogous

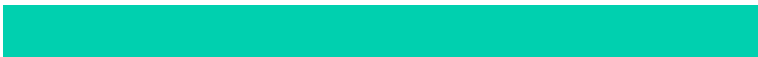
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96, 193, 115



117, 193, 203



0, 113, 208

Triad

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



117, 193, 203



82, 149, 255



255, 148, 147

Complementary

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



117, 193, 203



203, 117, 192

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, 146, 194



117, 193, 203



175, 175, 255

Square

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



117, 193, 203



0, 113, 255



235, 157, 239



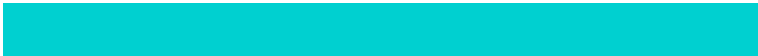
255, 192, 109

Rectangle

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



117, 193, 203



0, 104, 208



235, 157, 239



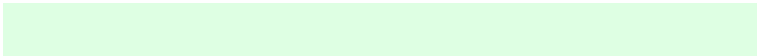
255, 146, 163

Sweetspot

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



117, 193, 203



222, 251, 255



117, 203, 127



107, 125, 128



0, 0, 0



128, 128, 128

Same Dimension

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



117, 193, 203



125, 240, 255



117, 170, 203



92, 101, 102



0, 147, 166



0, 34, 38

Inverse Universe

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



203, 117, 192



255, 125, 238



203, 117, 150



102, 92, 101



166, 0, 144



38, 0, 33

Previews

White Background



This preview shows how the RYB color 117, 193, 203 looks on a white background.

Color Contrast Check

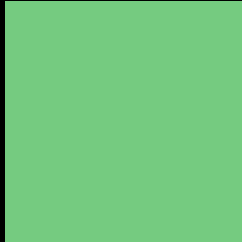
Large Text (above 18pt) WCAG AA × Fail

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 117, 193, 203 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 117, 193, 203 Background



This preview shows how black text looks on a background with the RYB color 117, 193, 203.

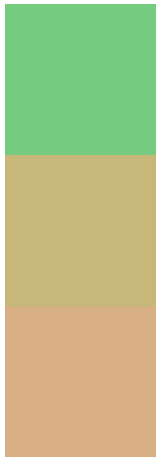


This preview shows how white text looks on a background with the RYB color 117, 193, 203.

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](#).

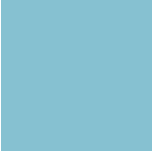
Dichromacy



Original Color
117, 193, 203

Protanopia
140, 199, 120

Deuteranopia
215, 217, 134



Tritanopia
134, 167, 209

Trichromacy



Original Color

117, 193, 203



Protanomaly

123, 190, 144



Deuteranomaly

132, 186, 137



Tritanomaly

128, 167, 197

Monochromacy



Original Color

117, 193, 203



Achromatopsia

169, 169, 169



Achromatomaly

150, 177, 181

CSS Examples

Text

The CSS property to change the color of the text to RYB 117, 193, 203 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(117, 203, 128)` looks like.

```
.text, #text, p{  
    color:rgb(117, 203, 128)  
}
```

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(117, 203, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 203, 128) }
```

Border

The CSS property to change the border of an element to RYB 117, 193, 203 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(117, 203, 128) }
```

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

```
.border{ border-color:rgb(117, 203, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 203, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 203, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 203, 128);  
box-shadow:4px 4px 4px 4px rgb(117, 203,  
128) }
```

Background

The CSS property to change the background color of an element to RYB 117, 193, 203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 203, 128) }
```

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

```
.background{ background-color: rgb(117,  
203, 128) }
```

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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