

Converting Colors

`RYB(123, 192, 204)`

Have a look what the booklet for
RYB(123, 192, 204) contains.

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Color

R_YB(123, 192, 204)

Conversions

Conversions Part 1

Format	Color
Hex	7BCC89
RGB	123, 204, 137
RGB Percent	48%, 80%, 54%
CMY	0.5176, 0.2000, 0.4624
CMYK	0.40, 0.00, 0.33, 0.20
HSL	130°, 44%, 64%
HSV	130°, 40%, 80%
XYZ	34.2828, 49.2053, 31.3903
YIQ	172.1430, -26.7690, -38.0090

Conversions

Conversions Part 2

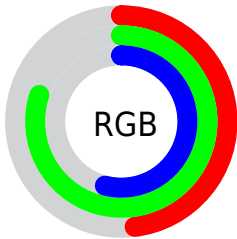
Format	Color
RYB	123, 192, 204
Decimal	8113289
CIELab	75.58, -38.82, 25.77
CIElCh	76, 46.595, 146.419
Yxy	49.2053, 0.2984, 0.4283
Android (android.graphics.Color)	4286303369 (0xFF7BCC89)
YUV	172.1430, -17.3255, -43.0984
Hunter-Lab	70.1465, -35.5177, 22.5705

Details

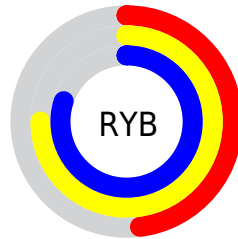
The RYB color **123, 192, 204** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **204, 123, 190**, and the grayscale version is **172, 172, 172**.

A 20% lighter version of the original color is **178, 244, 255**, and **69, 135, 149** is the 20% darker color. If you saturate the color by 10%, you get **103, 189, 204**, and if you desaturate by 10%, it is **143, 195, 204**.

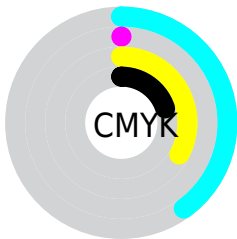
Distribution



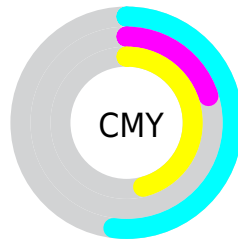
- Red (48%)
- Green (80%)
- Blue (54%)



- Red (48%)
- Yellow (75%)
- Blue (80%)



- Cyan (40%)
- Magenta (0%)
- Yellow (33%)
- Black (20%)



- Cyan (52%)
- Magenta (20%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the RYB color 123, 192, 204 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 123, 192, 204 by changing the saturation by 10% instead.

 123, 192, 204


255, 255, 255


 178, 244, 255


 207, 245, 255

 236, 248, 255

 123, 192, 204

 96, 163, 176

 69, 134, 149

 40, 105, 123

 0, 69, 97

 0, 59, 73

 0, 49, 49

 0, 28, 28


 0, 0, 0

 123, 192, 204


 123, 192, 204

 103, 189, 204


 143, 195, 204

 82, 186, 204


 164, 198, 204

 62, 183, 204

 184, 201, 204

 41, 179, 204

 205, 204, 204

 21, 177, 204

 225, 204, 221

 1, 174, 204

 245, 204, 238

 0, 174, 204

 255, 204, 255

Harmonies

Analogous

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



107, 195, 127



123, 192, 204



50, 137, 208

Triad

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



123, 192, 204



107, 161, 255



255, 154, 150

Complementary

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



123, 192, 204



204, 123, 190

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, 152, 193



123, 192, 204



183, 177, 255

Square

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



123, 192, 204



0, 113, 255



235, 161, 234



251, 198, 116

Rectangle

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



123, 192, 204



0, 105, 209



235, 161, 234



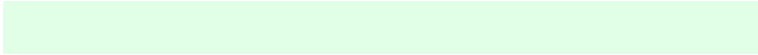
255, 152, 164

Sweetspot

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



123, 192, 204



224, 250, 255



123, 204, 136



110, 125, 128



0, 0, 0



128, 128, 128

Same Dimension

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



123, 192, 204



133, 237, 255



123, 172, 204



92, 100, 102



0, 141, 166



0, 32, 38

Inverse Universe

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



204, 123, 190



255, 133, 234



204, 123, 150



102, 92, 100



166, 0, 137



38, 0, 32

Previews

White Background



This preview shows how the RYB color 123, 192, 204 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 123, 192, 204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

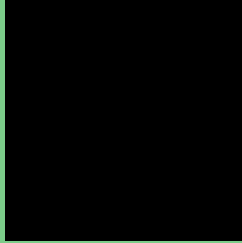
Any Text WCAG AA ✓ Pass

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 123, 192, 204 Background



This preview shows how black text looks on a background with the RYB color 123, 192, 204.

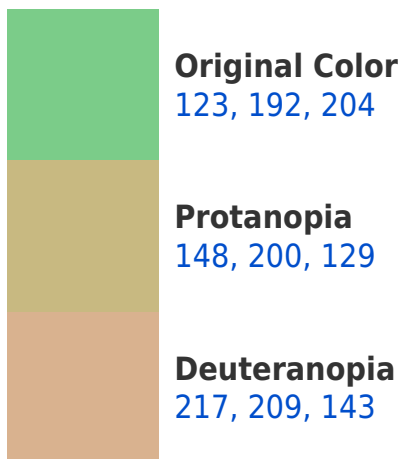


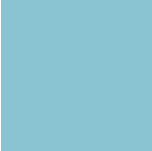
This preview shows how white text looks on a background with the RYB color 123, 192, 204.

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
138, 170, 210

Trichromacy



Original Color

123, 192, 204



Protanomaly

132, 192, 152



Deuteranomaly

141, 187, 145



Tritanomaly

133, 170, 198

Monochromacy



Original Color

123, 192, 204



Achromatopsia

172, 172, 172



Achromatomaly

154, 180, 184

CSS Examples

Text

The CSS property to change the color of the text to RYB 123, 192, 204 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(123, 204, 137)` looks like.

```
.text, #text, p{  
    color:rgb(123, 204, 137)  
}
```

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(123, 204, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 204, 137) }
```

Border

The CSS property to change the border of an element to RYB 123, 192, 204 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(123, 204, 137) }
```

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

```
.border{ border-color:rgb(123, 204, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 204, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 204, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 204, 137);  
box-shadow:4px 4px 4px 4px rgb(123, 204,  
137) }
```

Background

The CSS property to change the background color of an element to RYB 123, 192, 204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 204, 137) }
```

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

```
.background{ background-color: rgb(123,  
204, 137) }
```

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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