

Converting Colors

`RYB(122, 168, 202)`

Have a look what the booklet for
RYB(122, 168, 202) contains.

RYB(122, 168, 202)	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

R_YB(122, 168, 202)

Conversions

Conversions Part 1

Format	Color
Hex	7ACAB5
RGB	122, 202, 181
RGB Percent	48%, 79%, 71%
CMY	0.5216, 0.2078, 0.2897
CMYK	0.40, 0.00, 0.10, 0.21
HSL	164°, 43%, 64%
HSV	164°, 40%, 79%
XYZ	37.5005, 49.7202, 51.4067
YIQ	175.6860, -40.9390, -23.4910

Conversions

Conversions Part 2

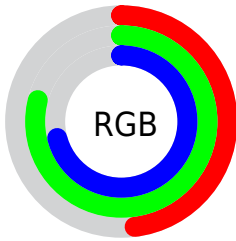
Format	Color
RYB	122, 168, 202
Decimal	8047285
CIELab	75.90, -29.39, 2.71
CIELCh	76, 29.512, 174.732
Yxy	49.7202, 0.2705, 0.3587
Android (android.graphics.Color)	4286237365 (0xFF7ACAB5)
YUV	175.6860, 2.6198, -47.0826
Hunter-Lab	70.5125, -28.4659, 6.1338

Details

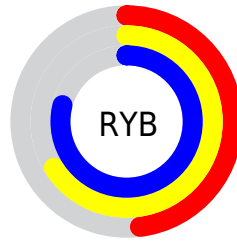
The RYB color **122, 168, 202** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **202, 122, 143**, and the grayscale version is **176, 176, 176**.

A 20% lighter version of the original color is **178, 222, 255**, and **67, 113, 148** is the 20% darker color. If you saturate the color by 10%, you get **102, 159, 202**, and if you desaturate by 10%, it is **142, 177, 202**.

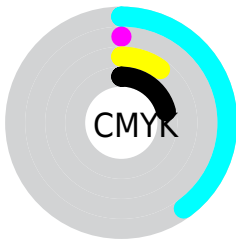
Distribution



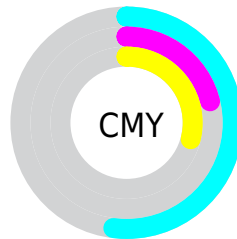
- Red (48%)
- Green (79%)
- Blue (71%)



- Red (48%)
- Yellow (66%)
- Blue (79%)



- Cyan (40%)
- Magenta (0%)
- Yellow (10%)
- Black (21%)



- Cyan (52%)
- Magenta (21%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the RYB color 122, 168, 202 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 122, 168, 202 by changing the saturation by 10% instead.


 122, 168, 202


255, 255, 255


 178, 222, 255

 206, 231, 255

 235, 245, 255

 122, 168, 202

 95, 140, 174

 67, 113, 148

 38, 85, 121

 0, 53, 96


 0, 41, 72


 0, 29, 49


 0, 20, 29


 0, 0, 0


 122, 168, 202


 122, 168, 202

 102, 159, 202


 142, 177, 202

 82, 151, 202


 162, 185, 202

 61, 142, 202

 183, 194, 202

 41, 134, 202

 203, 202, 202

 21, 125, 202

 223, 202, 207

 1, 116, 202

 243, 202, 213

 0, 116, 202

 255, 202, 218

 255, 202, 223

 255, 202, 229

Harmonies

Analogous

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



152, 196, 199



122, 168, 202



104, 155, 209

Triad

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



122, 168, 202



185, 182, 236



232, 192, 144

Complementary

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



122, 168, 202



202, 122, 143

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.



242, 168, 166



122, 168, 202



217, 173, 219

Square

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



122, 168, 202



146, 177, 241



237, 167, 193



174, 211, 133

Rectangle

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



122, 168, 202



107, 159, 224



237, 167, 193



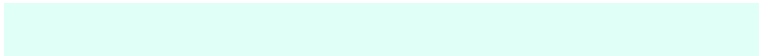
237, 179, 150

Sweetspot

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



122, 168, 202



224, 242, 255



122, 202, 181



110, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



122, 168, 202



133, 203, 255



122, 157, 202



92, 98, 102



0, 95, 166



0, 22, 38

Inverse Universe

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



202, 122, 143



255, 133, 165



202, 147, 122



102, 92, 94



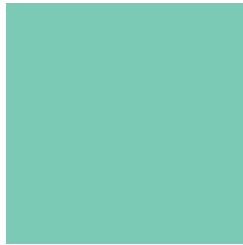
166, 0, 43



38, 0, 10

Previews

White Background



This preview shows how the RYB color 122, 168, 202 looks on a white background.

Color Contrast Check

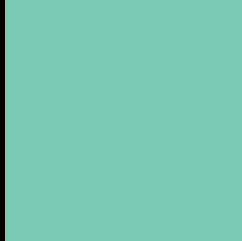
Large Text (above 18pt) WCAG AA × Fail

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 122, 168, 202 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 122, 168, 202 Background



This preview shows how black text looks on a background with the RYB color 122, 168, 202.

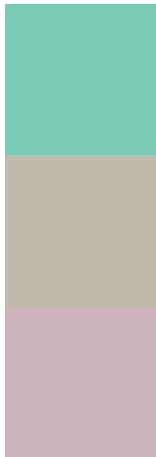


This preview shows how white text looks on a background with the RYB color 122, 168, 202.

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
122, 168, 202

Protanopia
185, 193, 172

Deuteranopia
204, 180, 186



Tritanopia
130, 167, 213

Trichromacy



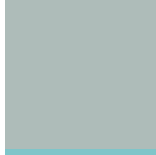
Original Color

122, 168, 202



Protanomaly

167, 185, 191



Deuteranomaly

174, 182, 188



Tritanomaly

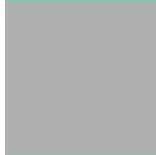
127, 163, 201

Monochromacy



Original Color

122, 168, 202



Achromatopsia

176, 176, 176



Achromatomaly

156, 172, 185

CSS Examples

Text

The CSS property to change the color of the text to RYB 122, 168, 202 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(122, 202, 181)` looks like.

```
.text, #text, p{  
    color:rgb(122, 202, 181)  
}
```

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(122, 202, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 202, 181) }
```

Border

The CSS property to change the border of an element to RYB 122, 168, 202 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(122, 202, 181) }
```

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

```
.border{ border-color:rgb(122, 202, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 202, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 202, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 202, 181); box-shadow:4px 4px 4px 4px rgb(122, 202, 181) }
```

Background

The CSS property to change the background color of an element to RYB 122, 168, 202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 202, 181) }
```

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

```
.background{ background-color: rgb(122,  
202, 181) }
```

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