

Converting Colors

`RYB(102, 165, 198)`

Have a look what the booklet for
RYB(102, 165, 198) contains.

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Color

R_YB(102, 165, 198)

Conversions

Conversions Part 1

Format	Color
Hex	66C698
RGB	102, 198, 152
RGB Percent	40%, 78%, 60%
CMY	0.6000, 0.2235, 0.4028
CMYK	0.48, 0.00, 0.23, 0.22
HSL	151°, 46%, 59%
HSV	151°, 48%, 78%
XYZ	31.3645, 45.4893, 36.9558
YIQ	164.0520, -42.4500, -34.6580

Conversions

Conversions Part 2

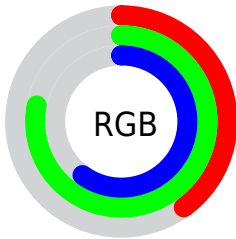
Format	Color
RYB	102, 165, 198
Decimal	6735512
CIELab	73.21, -39.02, 14.31
CIELCh	73, 41.561, 159.866
Yxy	45.4893, 0.2756, 0.3997
Android (android.graphics.Color)	4284925592 (0xFF66C698)
YUV	164.0520, -5.9416, -54.4196
Hunter-Lab	67.4458, -35.0217, 14.7250

Details

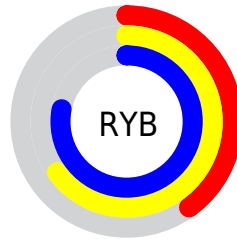
The RYB color **102, 165, 198** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **198, 102, 148**, and the grayscale version is **164, 164, 164**.

A 20% lighter version of the original color is **158, 223, 255**, and **43, 106, 143** is the 20% darker color. If you saturate the color by 10%, you get **82, 158, 198**, and if you desaturate by 10%, it is **122, 172, 198**.

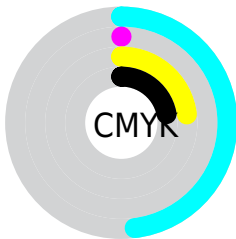
Distribution



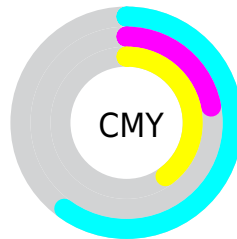
- Red (40%)
- Green (78%)
- Blue (60%)



- Red (40%)
- Yellow (65%)
- Blue (78%)



- Cyan (48%)
- Magenta (0%)
- Yellow (23%)
- Black (22%)



- Cyan (60%)
- Magenta (22%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the RYB color 102, 165, 198 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 102, 165, 198 by changing the saturation by 10% instead.

 102, 165, 198


255, 255, 255


 158, 222, 255


 187, 227, 255

 216, 236, 255

 245, 250, 255

 102, 165, 198

 74, 136, 170


 43, 106, 143

 0, 71, 117

 0, 58, 92

 0, 46, 68

 0, 36, 45

 0, 19, 19

 0, 0, 0

 102, 165, 198

 102, 165, 198

■ 82, 158, 198

■ 122, 172, 198

■ 62, 151, 198

■ 142, 179, 198

■ 43, 145, 198

■ 161, 185, 198

■ 23, 138, 198

■ 181, 192, 198

■ 3, 131, 198

■ 201, 198, 199

■ 0, 130, 198

■ 221, 198, 209

■ 241, 198, 218

■ 255, 198, 228

■ 255, 198, 237

Harmonies

Analogous

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



120, 192, 161



102, 165, 198



36, 120, 200

Triad

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



102, 165, 198



144, 171, 254



248, 162, 133

Complementary

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



102, 165, 198



198, 102, 148

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, 150, 168



102, 165, 198



200, 165, 238

Square

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



102, 165, 198



72, 143, 250



237, 153, 207



220, 226, 109

Rectangle

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



102, 165, 198



0, 104, 216



237, 153, 207



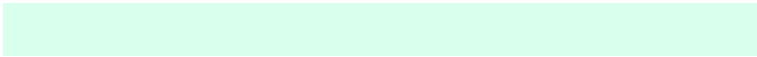
252, 154, 144

Sweetspot

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



102, 165, 198



217, 242, 255



102, 198, 152



105, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



102, 165, 198



107, 204, 255



102, 149, 198



90, 96, 99



0, 107, 163



0, 24, 36

Inverse Universe

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



198, 102, 148



255, 107, 178



198, 104, 102



99, 90, 94



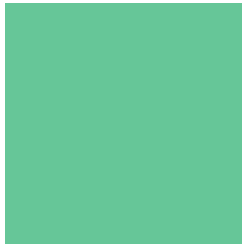
163, 0, 78



36, 0, 17

Previews

White Background



This preview shows how the RYB color 102, 165, 198 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 102, 165, 198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

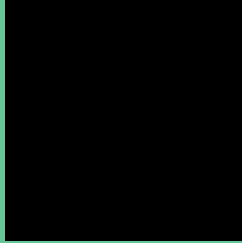
Any Text WCAG AA ✓ Pass

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 102, 165, 198 Background



This preview shows how black text looks on a background with the RYB color 102, 165, 198.

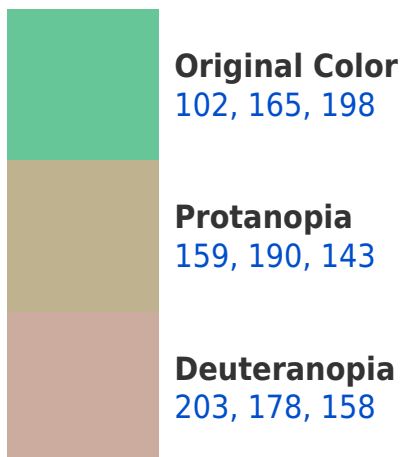


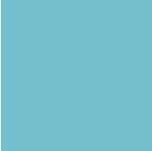
This preview shows how white text looks on a background with the RYB color 102, 165, 198.

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
116, 157, 206

Trichromacy



Original Color

102, 165, 198



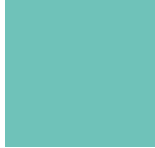
Protanomaly

146, 185, 173



Deuteranomaly

156, 181, 171



Tritanomaly

111, 155, 194

Monochromacy



Original Color

102, 165, 198



Achromatopsia

164, 164, 164



Achromatomaly

141, 164, 176

CSS Examples

Text

The CSS property to change the color of the text to RYB 102, 165, 198 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(102, 198, 152)` looks like.

```
.text, #text, p{  
    color:rgb(102, 198, 152)  
}
```

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(102, 198, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 198, 152) }
```

Border

The CSS property to change the border of an element to RYB 102, 165, 198 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(102, 198, 152) }
```

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

```
.border{ border-color:rgb(102, 198, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 198, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 198, 152); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 198, 152); box-shadow:4px 4px 4px 4px rgb(102, 198, 152) }
```

Background

The CSS property to change the background color of an element to RYB 102, 165, 198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 198, 152) }
```

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

```
.background{ background-color: rgb(102,  
198, 152) }
```

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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