

Converting Colors

`RYB(102, 156, 209)`

Have a look what the booklet for
RYB(102, 156, 209) contains.

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Color

R_YB(102, 156, 209)

Conversions

Conversions Part 1

Format	Color
Hex	66D1CF
RGB	102, 209, 207
RGB Percent	40%, 82%, 81%
CMY	0.6000, 0.1804, 0.1882
CMYK	0.51, 0.00, 0.01, 0.18
HSL	179°, 54%, 61%
HSV	179°, 51%, 82%
XYZ	39.5447, 52.9316, 67.1760
YIQ	176.7790, -63.1300, -23.3060

Conversions

Conversions Part 2

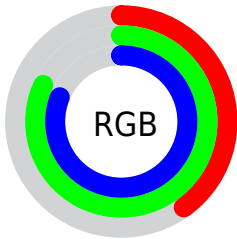
Format	Color
RYB	102, 156, 209
Decimal	6738383
CIELab	77.83, -31.19, -8.48
CIElCh	78, 32.324, 195.204
Yxy	52.9316, 0.2477, 0.3315
Android (android.graphics.Color)	4284928463 (0xFF66D1CF)
YUV	176.7790, 14.8990, -65.5812
Hunter-Lab	72.7541, -30.2980, -3.8163

Details

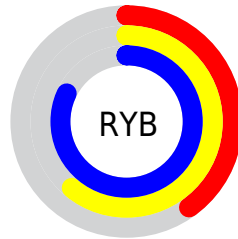
The RYB color **102, 156, 209** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **209, 102, 104**, and the grayscale version is **177, 177, 177**.

A 20% lighter version of the original color is **161, 208, 255**, and **35, 95, 154** is the 20% darker color. If you saturate the color by 10%, you get **81, 146, 209**, and if you desaturate by 10%, it is **123, 167, 209**.

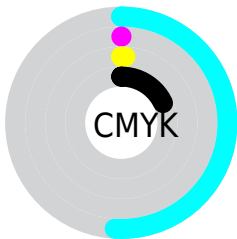
Distribution



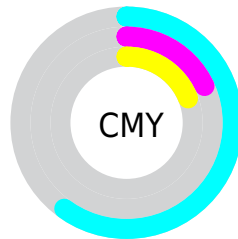
- Red (40%)
- Green (82%)
- Blue (81%)



- Red (40%)
- Yellow (61%)
- Blue (82%)



- Cyan (51%)
- Magenta (0%)
- Yellow (1%)
- Black (18%)




- Cyan (60%)
- Magenta (18%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the RYB color 102, 156, 209 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, 156, 209 by changing the saturation by 10% instead.

 102, 156, 209


255, 255, 255


 161, 208, 255

 190, 223, 255

 220, 238, 255

 250, 253, 255

 102, 156, 209

 71, 126, 181

 35, 95, 154

 0, 64, 128

 0, 51, 102

 0, 39, 78

 0, 27, 55

 0, 17, 34

 0, 0, 11

 0, 0, 0

■ 102, 156, 209

■ 102, 156, 209

■ 81, 146, 209

■ 123, 167, 209

■ 60, 135, 209

■ 144, 177, 209

■ 39, 125, 209

■ 165, 187, 209

■ 18, 115, 209

■ 186, 198, 209

■ 0, 106, 209

■ 207, 208, 209

■ 227, 209, 209

■ 248, 209, 210

■ 255, 209, 210

■ 255, 209, 211

Harmonies

Analogous

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



130, 179, 208



102, 156, 209



100, 159, 234

Triad

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



102, 156, 209



216, 179, 235



212, 227, 135

Complementary

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



102, 156, 209



209, 102, 104

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.



247, 185, 151



102, 156, 209



242, 172, 209

Square

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



102, 156, 209



176, 188, 250



253, 170, 178



137, 198, 134

Rectangle

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



102, 156, 209



119, 169, 246



253, 170, 178



235, 217, 139

Sweetspot

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



102, 156, 209



217, 236, 255



102, 209, 205



105, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



102, 156, 209



99, 178, 255



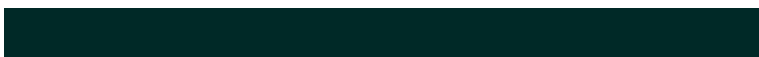
102, 139, 209



94, 100, 105



0, 85, 168



0, 21, 41

Inverse Universe

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



209, 102, 104



255, 99, 102



209, 196, 102



105, 94, 94



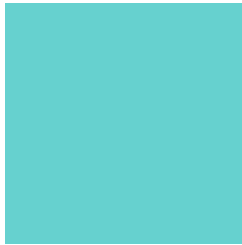
168, 0, 3



41, 0, 1

Previews

White Background



This preview shows how the RYB color 102, 156, 209 looks on a white background.

Color Contrast Check

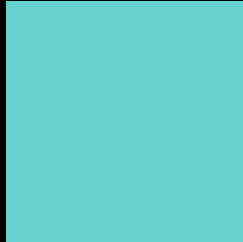
Large Text (above 18pt) WCAG AA × Fail

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, 156, 209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

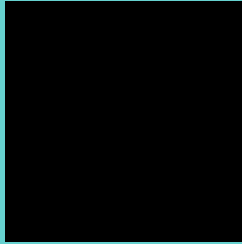
Any Text WCAG AA ✓ Pass

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, 156, 209 Background



This preview shows how black text looks on a background with the RYB color 102, 156, 209.

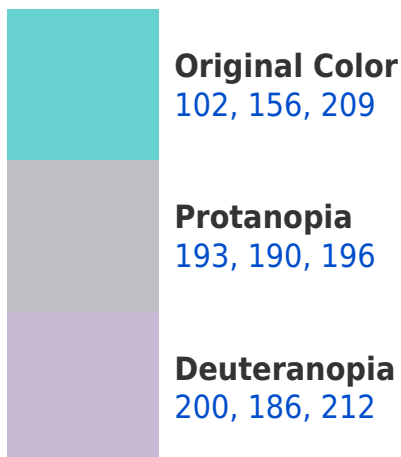


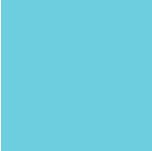
This preview shows how white text looks on a background with the RYB color 102, 156, 209.

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
108, 161, 223

Trichromacy



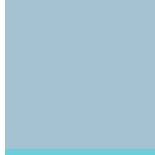
Original Color

102, 156, 209



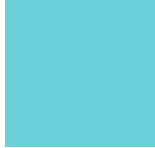
Protanomaly

160, 179, 200



Deuteranomaly

164, 182, 210



Tritanomaly

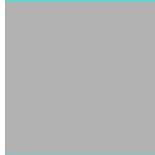
106, 159, 217

Monochromacy



Original Color

102, 156, 209



Achromatopsia

177, 177, 177



Achromatomaly

150, 170, 189

CSS Examples

Text

The CSS property to change the color of the text to RYB 102, 156, 209 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, 209, 207)` looks like.

```
.text, #text, p{  
    color:rgb(102, 209, 207)  
}
```

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, 209, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 209, 207) }
```

Border

The CSS property to change the border of an element to RYB 102, 156, 209 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, 209, 207) }
```

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

```
.border{ border-color:rgb(102, 209, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 209, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 209, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 209, 207);  
box-shadow:4px 4px 4px 4px rgb(102, 209,  
207) }
```

Background

The CSS property to change the background color of an element to RYB 102, 156, 209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 209, 207) }
```

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

```
.background{ background-color: rgb(102,  
209, 207) }
```

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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