

Converting Colors

`RYB(100, 151, 203)`

Have a look what the booklet for
RYB(100, 151, 203) contains.

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Color

$\text{RYB}(100, 151, 203)$

Conversions

Conversions Part 1

Format	Color
Hex	64C9CB
RGB	100, 201, 203
RGB Percent	39%, 79%, 80%
CMY	0.6078, 0.2117, 0.2039
CMYK	0.51, 0.01, 0.00, 0.20
HSL	181°, 50%, 59%
HSV	181°, 51%, 80%
XYZ	36.9261, 48.8034, 63.9737
YIQ	171.0290, -60.8380, -20.7900

Conversions

Conversions Part 2

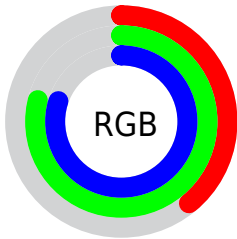
Format	Color
RYB	100, 151, 203
Decimal	6605259
CIELab	75.33, -28.82, -10.05
CIELCh	75, 30.521, 199.221
Yxy	48.8034, 0.2467, 0.3260
Android (android.graphics.Color)	4284795339 (0xFF64C9CB)
YUV	171.0290, 15.7617, -62.2924
Hunter-Lab	69.8594, -27.9028, -5.3932

Details

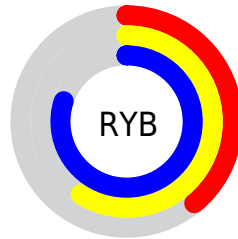
The RYB color **100, 151, 203** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **203, 102, 100**, and the grayscale version is **171, 171, 171**.

A 20% lighter version of the original color is **158, 207, 255**, and **34, 91, 149** is the 20% darker color. If you saturate the color by 10%, you get **80, 141, 203**, and if you desaturate by 10%, it is **120, 161, 203**.

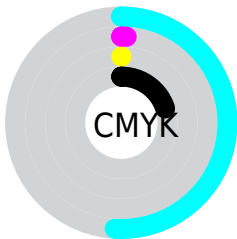
Distribution



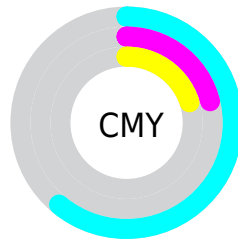
- Red (39%)
- Green (79%)
- Blue (80%)



- Red (39%)
- Yellow (59%)
- Blue (80%)



- Cyan (51%)
- Magenta (1%)
- Yellow (0%)
- Black (20%)




- Cyan (61%)
- Magenta (21%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 100, 151, 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 100, 151, 203 by changing the saturation by 10% instead.

 100, 151, 203


255, 255, 255


 158, 207, 255

 187, 221, 255

 217, 236, 255

 247, 251, 255

 100, 151, 203

 70, 122, 176


 34, 91, 149

 0, 61, 123

 0, 48, 98

 0, 36, 75

 0, 25, 52

 0, 15, 31

 0, 0, 5

 0, 0, 0

■ 100, 151, 203

■ 100, 151, 203

■ 80, 141, 203

■ 120, 161, 203

■ 59, 130, 203

■ 141, 172, 203

■ 39, 120, 203

■ 161, 182, 203

■ 19, 110, 203

■ 181, 192, 203

■ 0, 100, 203

■ 202, 203, 203

■ 222, 203, 203

■ 242, 204, 203

■ 255, 204, 203

■ 255, 205, 203

Harmonies

Analogous

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



123, 170, 201



100, 151, 203



103, 157, 227

Triad

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



100, 151, 203



211, 172, 223



191, 215, 131

Complementary

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



100, 151, 203



203, 102, 100

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.



235, 182, 144



100, 151, 203



235, 166, 197

Square

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



100, 151, 203



176, 181, 238



242, 165, 168



132, 189, 134

Rectangle

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



100, 151, 203



122, 166, 237



242, 165, 168



223, 217, 134

Sweetspot

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



100, 151, 203



217, 236, 255



100, 201, 203



105, 116, 128



0, 0, 0



128, 128, 128

Same Dimension

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



100, 151, 203



99, 176, 255



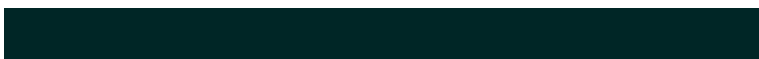
100, 134, 203



92, 97, 102



0, 82, 166



0, 19, 38

Inverse Universe

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



203, 100, 201



255, 99, 252



197, 203, 100



102, 92, 102



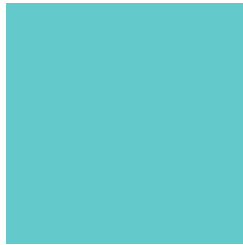
166, 0, 163



38, 0, 38

Previews

White Background



This preview shows how the RYB color 100, 151, 203 looks on a white background.

Color Contrast Check

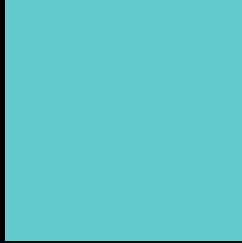
Large Text (above 18pt) WCAG AA × Fail

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 100, 151, 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 100, 151, 203 Background



This preview shows how black text looks on a background with the RYB color 100, 151, 203.

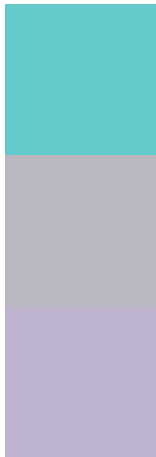


This preview shows how white text looks on a background with the RYB color 100, 151, 203.

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
100, 151, 203

Protanopia
185, 183, 192

Deuteranopia
191, 180, 208



Tritanopia
104, 155, 215

Trichromacy



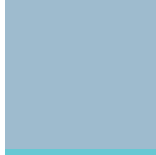
Original Color

100, 151, 203



Protanomaly

154, 173, 196



Deuteranomaly

158, 176, 206



Tritanomaly

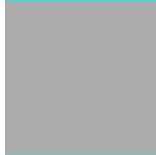
103, 154, 211

Monochromacy



Original Color

100, 151, 203



Achromatopsia

171, 171, 171



Achromatomaly

145, 164, 183

CSS Examples

Text

The CSS property to change the color of the text to RYB 100, 151, 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(100, 201, 203)` looks like.

```
.text, #text, p{  
    color:rgb(100, 201, 203)  
}
```

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(100, 201, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 201, 203) }
```

Border

The CSS property to change the border of an element to RYB 100, 151, 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(100, 201, 203) }
```

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

```
.border{ border-color:rgb(100, 201, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 201, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 201, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 201, 203);  
box-shadow:4px 4px 4px 4px rgb(100, 201,  
203) }
```

Background

The CSS property to change the background color of an element to RYB 100, 151, 203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 201, 203) }
```

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

```
.background{ background-color: rgb(100,  
201, 203) }
```

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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