

Converting Colors

`RYB(100, 152, 197)`

Have a look what the booklet for RYB(100, 152, 197) contains.

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Color

R_YB(100, 152, 197)

Conversions

Conversions Part 1

Format	Color
Hex	64C5B8
RGB	100, 197, 184
RGB Percent	39%, 77%, 72%
CMY	0.6078, 0.2275, 0.2787
CMYK	0.49, 0.00, 0.07, 0.23
HSL	172°, 46%, 58%
HSV	172°, 49%, 77%
XYZ	33.8675, 46.1001, 52.4289
YIQ	166.5150, -53.6390, -24.6070

Conversions

Conversions Part 2

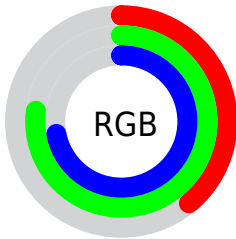
Format	Color
RYB	100, 152, 197
Decimal	6604216
CIELab	73.61, -31.78, -2.26
CIELCh	74, 31.858, 184.066
Yxy	46.1001, 0.2558, 0.3482
Android (android.graphics.Color)	4284794296 (0xFF64C5B8)
YUV	166.5150, 8.6201, -58.3337
Hunter-Lab	67.8971, -29.7830, 1.7452

Details

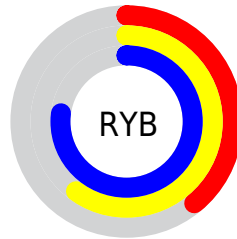
The RYB color **100, 152, 197** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **197, 100, 113**, and the grayscale version is **166, 166, 166**.

A 20% lighter version of the original color is **157, 209, 254**, and **38, 94, 143** is the 20% darker color. If you saturate the color by 10%, you get **80, 143, 197**, and if you desaturate by 10%, it is **120, 161, 197**.

Distribution



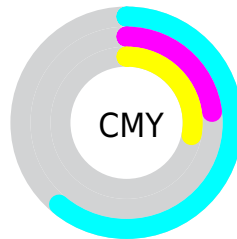
- Red (39%)
- Green (77%)
- Blue (72%)



- Red (39%)
- Yellow (60%)
- Blue (77%)



- Cyan (49%)
- Magenta (0%)
- Yellow (7%)
- Black (23%)




- Cyan (61%)
- Magenta (23%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the RYB color 100, 152, 197 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, 152, 197 by changing the saturation by 10% instead.

 100, 152, 197


255, 255, 255


 157, 209, 254

 186, 221, 255

 215, 235, 255

 245, 250, 255

 100, 152, 197

 71, 123, 169


 38, 94, 143

 0, 61, 117


 0, 49, 92


 0, 36, 67

 0, 24, 44

 0, 12, 21

 0, 0, 0

 100, 152, 197

 100, 152, 197

■ 80, 143, 197

■ 120, 161, 197

■ 61, 134, 197

■ 139, 170, 197

■ 41, 125, 197

■ 159, 179, 197

■ 21, 115, 197

■ 179, 189, 197

■ 1, 106, 197

■ 199, 197, 197

■ 0, 106, 197

■ 218, 197, 200

■ 238, 197, 203

■ 255, 197, 205

■ 255, 197, 208

Harmonies

Analogous

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



132, 179, 195



100, 152, 197



86, 145, 213

Triad

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



100, 152, 197



190, 172, 229



223, 202, 129

Complementary

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



100, 152, 197



197, 100, 113

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.



237, 164, 150



100, 152, 197



222, 163, 207

Square

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



100, 152, 197



148, 173, 239



238, 159, 178



144, 197, 122

Rectangle

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



100, 152, 197



96, 152, 227



238, 159, 178



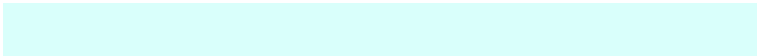
229, 184, 135

Sweetspot

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



100, 152, 197



217, 237, 255



100, 197, 182



105, 118, 128



0, 0, 0



128, 128, 128

Same Dimension

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



100, 152, 197



105, 185, 255



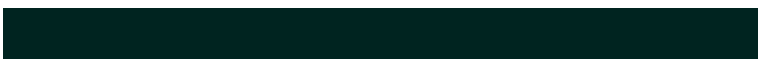
100, 138, 197



90, 95, 99



0, 87, 163



0, 19, 36

Inverse Universe

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



197, 100, 113



255, 105, 125



197, 152, 100



99, 90, 91



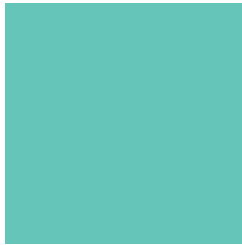
163, 0, 22



36, 0, 5

Previews

White Background



This preview shows how the RYB color 100, 152, 197 looks on a white background.

Color Contrast Check

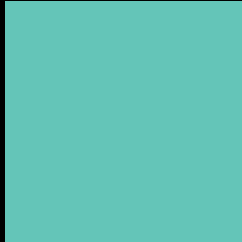
Large Text (above 18pt) WCAG AA × Fail

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, 152, 197 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, 152, 197 Background



This preview shows how black text looks on a background with the RYB color 100, 152, 197.

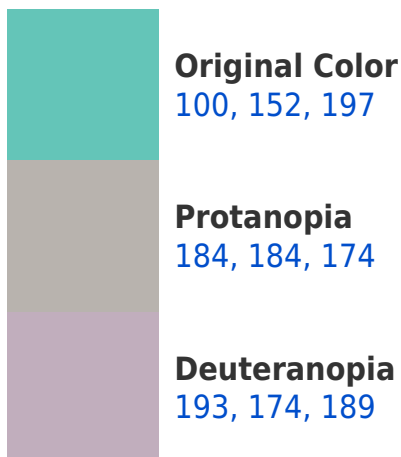


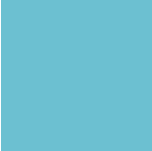
This preview shows how white text looks on a background with the RYB color 100, 152, 197.

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, 154, 209

Trichromacy



Original Color

100, 152, 197



Protanomaly

153, 172, 186



Deuteranomaly

159, 172, 187



Tritanomaly

105, 151, 200

Monochromacy



Original Color

100, 152, 197



Achromatopsia

167, 167, 167



Achromatomaly

143, 162, 178

CSS Examples

Text

The CSS property to change the color of the text to RYB 100, 152, 197 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, 197, 184)` looks like.

```
.text, #text, p{  
    color:rgb(100, 197, 184)  
}
```

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, 197, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 197, 184) }
```

Border

The CSS property to change the border of an element to RYB 100, 152, 197 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, 197, 184) }
```

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

```
.border{ border-color:rgb(100, 197, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 197, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 197, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 197, 184);  
box-shadow:4px 4px 4px 4px rgb(100, 197,  
184) }
```

Background

The CSS property to change the background color of an element to RYB 100, 152, 197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 197, 184) }
```

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

```
.background{ background-color: rgb(100,  
197, 184) }
```

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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