

Converting Colors

`RYB(100, 148, 181)`

Have a look what the booklet for
RYB(100, 148, 181) contains.

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Color

`RYB(100, 148, 181)`

Conversions

Conversions Part 1

Format	Color
Hex	64B59C
RGB	100, 181, 156
RGB Percent	39%, 71%, 61%
CMY	0.6078, 0.2902, 0.3895
CMYK	0.45, 0.00, 0.14, 0.29
HSL	161°, 35%, 55%
HSV	161°, 45%, 71%
XYZ	27.7537, 38.1468, 37.2142
YIQ	153.9310, -40.2510, -24.9470

Conversions

Conversions Part 2

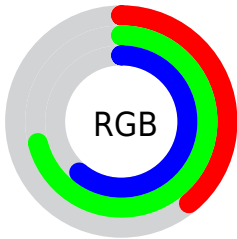
Format	Color
RYB	100, 148, 181
Decimal	6600092
CIELab	68.13, -30.91, 5.22
CIELCh	68, 31.346, 170.423
Yxy	38.1468, 0.2692, 0.3699
Android (android.graphics.Color)	4284790172 (0xFF64B59C)
YUV	153.9310, 1.0200, -47.2975
Hunter-Lab	61.7631, -27.8751, 7.5101

Details

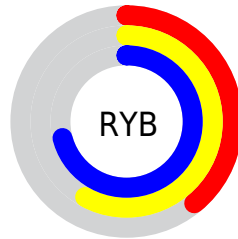
The RYB color **100, 148, 181** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **181, 100, 125**, and the grayscale version is **154, 154, 154**.

A 20% lighter version of the original color is **155, 204, 237**, and **44, 93, 128** is the 20% darker color. If you saturate the color by 10%, you get **82, 141, 181**, and if you desaturate by 10%, it is **118, 155, 181**.

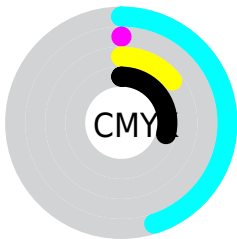
Distribution



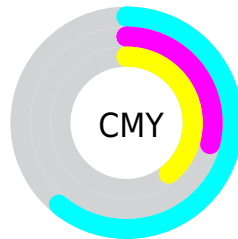
- Red (39%)
- Green (71%)
- Blue (61%)



- Red (39%)
- Yellow (58%)
- Blue (71%)



- Cyan (45%)
- Magenta (0%)
- Yellow (14%)
- Black (29%)




- Cyan (61%)
- Magenta (29%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the RYB color 100, 148, 181 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, 148, 181 by changing the saturation by 10% instead.

 100, 148, 181


255, 255, 255


 155, 204, 237

 183, 224, 255

 212, 234, 255

 241, 248, 255


 100, 148, 181

 73, 121, 154

 44, 93, 128

 6, 60, 102


 0, 45, 78


 0, 32, 54


 0, 24, 34

 0, 0, 0

 100, 148, 181

 82, 141, 181

 100, 148, 181

 118, 155, 181

■ 64, 133, 181

■ 136, 163, 181

■ 46, 126, 181

■ 154, 170, 181

■ 28, 119, 181

■ 172, 177, 181

■ 9, 111, 181

■ 191, 181, 184

■ 0, 107, 181

■ 209, 181, 190

■ 227, 181, 195

■ 245, 181, 201

■ 255, 181, 207

Harmonies

Analogous

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



129, 177, 173



100, 148, 181



74, 128, 185

Triad

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



100, 148, 181



157, 162, 219



214, 165, 124

Complementary

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



100, 148, 181



181, 100, 125

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.



222, 146, 148



100, 148, 181



193, 152, 202

Square

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



100, 148, 181



114, 152, 221



216, 146, 176



164, 194, 110

Rectangle

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



100, 148, 181



72, 131, 202



216, 146, 176



218, 154, 131

Sweetspot

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



100, 148, 181



204, 222, 235



100, 181, 155



99, 110, 117



245, 245, 245



117, 117, 117

Same Dimension

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



100, 148, 181



108, 183, 235



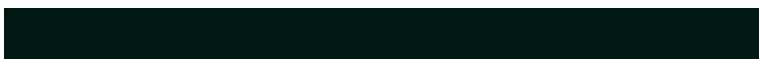
100, 136, 181



80, 85, 89



0, 91, 153



0, 15, 26

Inverse Universe

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



181, 100, 125



235, 108, 148



181, 118, 100



89, 80, 83



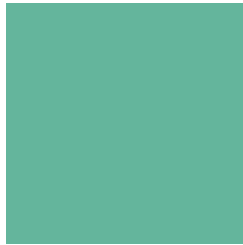
153, 0, 48



26, 0, 8

Previews

White Background



This preview shows how the RYB color 100, 148, 181 looks on a white background.

Color Contrast Check

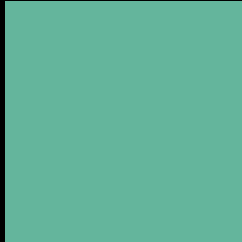
Large Text (above 18pt) WCAG AA × Fail

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, 148, 181 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, 148, 181 Background



This preview shows how black text looks on a background with the RYB color 100, 148, 181.

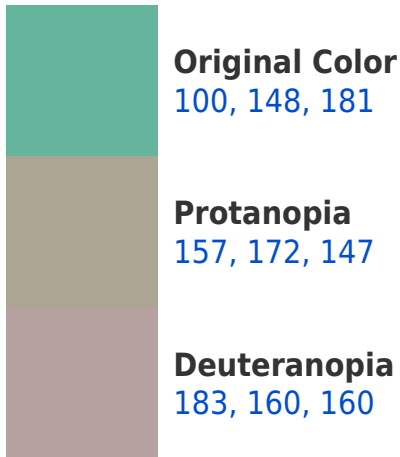


This preview shows how white text looks on a background with the RYB color 100, 148, 181.

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
109, 146, 190

Trichromacy



Original Color

100, 148, 181



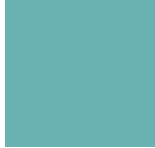
Protanomaly

146, 168, 171



Deuteranomaly

153, 164, 168



Tritanomaly

106, 142, 178

Monochromacy



Original Color

100, 148, 181



Achromatopsia

154, 154, 154



Achromatomaly

134, 152, 164

CSS Examples

Text

The CSS property to change the color of the text to RYB 100, 148, 181 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, 181, 156)` looks like.

```
.text, #text, p{  
    color:rgb(100, 181, 156)  
}
```

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, 181, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 181, 156) }
```

Border

The CSS property to change the border of an element to RYB 100, 148, 181 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, 181, 156) }
```

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

```
.border{ border-color:rgb(100, 181, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 181, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 181, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 181, 156);  
box-shadow:4px 4px 4px 4px rgb(100, 181,  
156) }
```

Background

The CSS property to change the background color of an element to RYB 100, 148, 181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 181, 156) }
```

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

```
.background{ background-color: rgb(100,  
181, 156) }
```

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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