

Converting Colors

`RYB(100, 153, 185)`

Have a look what the booklet for
RYB(100, 153, 185) contains.

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Color

R_YB(100, 153, 185)

Conversions

Conversions Part 1

Format	Color
Hex	64B997
RGB	100, 185, 151
RGB Percent	39%, 73%, 59%
CMY	0.6078, 0.2745, 0.4066
CMYK	0.46, 0.00, 0.18, 0.27
HSL	156°, 38%, 56%
HSV	156°, 46%, 73%
XYZ	28.2165, 39.6521, 35.5814
YIQ	155.7090, -39.7460, -28.5940

Conversions

Conversions Part 2

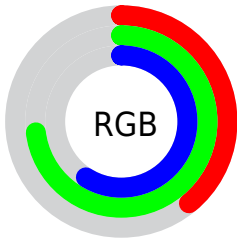
Format	Color
RYB	100, 153, 185
Decimal	6601111
CIELab	69.22, -33.78, 9.17
CIElCh	69, 35.007, 164.807
Yxy	39.6521, 0.2728, 0.3833
Android (android.graphics.Color)	4284791191 (0xFF64B997)
YUV	155.7090, -2.3215, -48.8568
Hunter-Lab	62.9699, -30.2123, 10.5769

Details

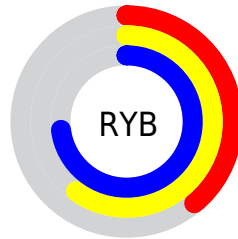
The RYB color **100, 153, 185** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **185, 100, 134**, and the grayscale version is **156, 156, 156**.

A 20% lighter version of the original color is **155, 210, 242**, and **44, 97, 131** is the 20% darker color. If you saturate the color by 10%, you get **82, 146, 185**, and if you desaturate by 10%, it is **119, 160, 185**.

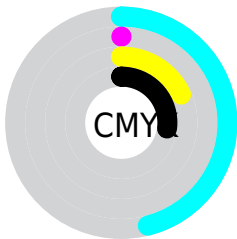
Distribution



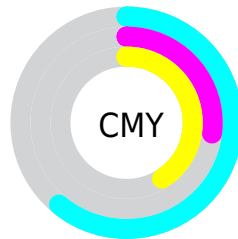
- Red (39%)
- Green (73%)
- Blue (59%)



- Red (39%)
- Yellow (60%)
- Blue (73%)



- Cyan (46%)
- Magenta (0%)
- Yellow (18%)
- Black (27%)



- Cyan (61%)
- Magenta (27%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the RYB color 100, 153, 185 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, 153, 185 by changing the saturation by 10% instead.

 100, 153, 185

255, 255, 255


 155, 210, 242

 183, 225, 255

 212, 234, 255

 241, 248, 255

 100, 153, 185

 73, 126, 158

 44, 97, 131


 3, 63, 106


 0, 49, 81


 0, 37, 57

 0, 28, 36

 0, 0, 0

 100, 153, 185

 82, 146, 185

 100, 153, 185

 119, 160, 185

■ 63, 139, 185

■ 137, 167, 185

■ 45, 133, 185

■ 156, 174, 185

■ 26, 125, 185

■ 174, 181, 185

■ 8, 118, 185

■ 193, 185, 188

■ 0, 115, 185

■ 211, 185, 195

■ 229, 185, 203

■ 248, 185, 210

■ 255, 185, 217

Harmonies

Analogous

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



123, 180, 164



100, 153, 185



61, 124, 186

Triad

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



100, 153, 185



149, 164, 230



225, 159, 126

Complementary

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



100, 153, 185



185, 100, 134

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.



232, 145, 154



100, 153, 185



193, 155, 214

Square

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



100, 153, 185



98, 147, 230



221, 147, 186



189, 205, 108

Rectangle

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



100, 153, 185



50, 122, 204



221, 147, 186



229, 150, 134

Sweetspot

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



100, 153, 185



206, 227, 240



100, 185, 151



99, 112, 120



247, 247, 247



120, 120, 120

Same Dimension

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



100, 153, 185



108, 191, 240



100, 140, 185



83, 89, 92



0, 97, 156



0, 17, 28

Inverse Universe

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



185, 100, 134



240, 108, 160



185, 110, 100



92, 83, 86



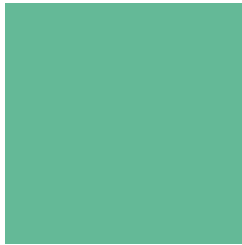
156, 0, 62



28, 0, 11

Previews

White Background



This preview shows how the RYB color 100, 153, 185 looks on a white background.

Color Contrast Check

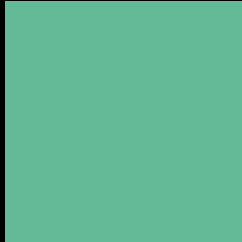
Large Text (above 18pt) WCAG AA × Fail

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, 153, 185 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, 153, 185 Background



This preview shows how black text looks on a background with the RYB color 100, 153, 185.

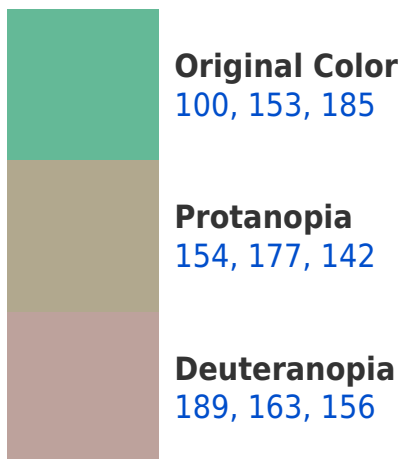


This preview shows how white text looks on a background with the RYB color 100, 153, 185.

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](#).

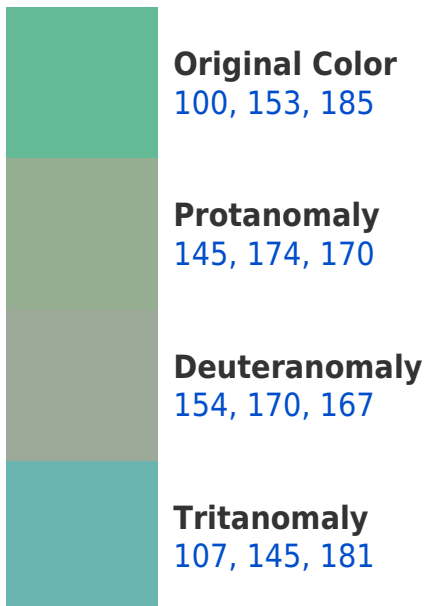
Dichromacy



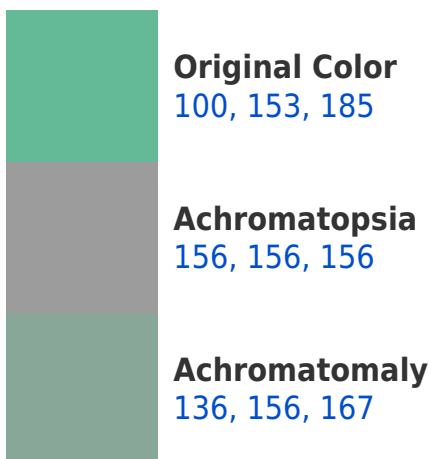


Tritanopia
111, 148, 194

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 100, 153, 185 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, 185, 151)` looks like.

```
.text, #text, p{  
    color:rgb(100, 185, 151)  
}
```

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, 185, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 185, 151) }
```

Border

The CSS property to change the border of an element to RYB 100, 153, 185 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, 185, 151) }
```

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

```
.border{ border-color:rgb(100, 185, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 185, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 185, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 185, 151);  
box-shadow:4px 4px 4px 4px rgb(100, 185,  
151) }
```

Background

The CSS property to change the background color of an element to RYB 100, 153, 185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 185, 151) }
```

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

```
.background{ background-color: rgb(100,  
185, 151) }
```

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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