

Converting Colors

`RYB(100, 145, 187)`

Have a look what the booklet for
RYB(100, 145, 187) contains.

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Color

R_YB(100, 145, 187)

Conversions

Conversions Part 1

Format	Color
Hex	64BBB5
RGB	100, 187, 181
RGB Percent	39%, 73%, 71%
CMY	0.6078, 0.2667, 0.2894
CMYK	0.47, 0.00, 0.03, 0.27
HSL	176°, 39%, 56%
HSV	176°, 47%, 73%
XYZ	31.3869, 41.5944, 50.1980
YIQ	160.3030, -49.9260, -20.3100

Conversions

Conversions Part 2

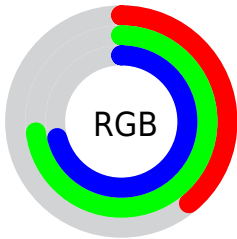
Format	Color
RYB	100, 145, 187
Decimal	6601653
CIELab	70.59, -27.63, -5.21
CIELCh	71, 28.122, 190.677
Yxy	41.5944, 0.2548, 0.3377
Android (android.graphics.Color)	4284791733 (0xFF64BBB5)
YUV	160.3030, 10.2036, -52.8857
Hunter-Lab	64.4937, -25.9941, -1.0021

Details

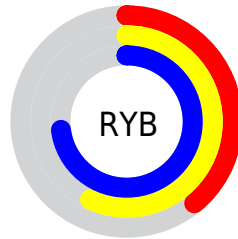
The RYB color **100, 145, 187** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **187, 100, 106**, and the grayscale version is **160, 160, 160**.

A 20% lighter version of the original color is **156, 201, 243**, and **41, 88, 133** is the 20% darker color. If you saturate the color by 10%, you get **81, 136, 187**, and if you desaturate by 10%, it is **119, 154, 187**.

Distribution



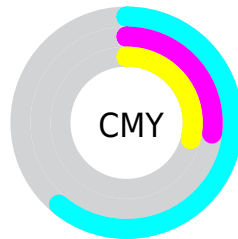
- Red (39%)
- Green (73%)
- Blue (71%)



- Red (39%)
- Yellow (57%)
- Blue (73%)



- Cyan (47%)
- Magenta (0%)
- Yellow (3%)
- Black (27%)



- Cyan (61%)
- Magenta (27%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the RYB color 100, 145, 187 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, 145, 187 by changing the saturation by 10% instead.

 100, 145, 187


255, 255, 255


 156, 201, 243

 185, 220, 255

 214, 235, 255

 243, 249, 255

 100, 145, 187

 72, 118, 160

 41, 88, 133

 0, 55, 108

 0, 43, 83

 0, 30, 59

 0, 20, 38

 0, 4, 14

 0, 0, 0

 100, 145, 187

 100, 145, 187

■ 81, 136, 187

■ 119, 154, 187

■ 63, 127, 187

■ 137, 163, 187

■ 44, 118, 187

■ 156, 172, 187

■ 25, 109, 187

■ 175, 181, 187

■ 6, 100, 187

■ 193, 187, 187

■ 0, 97, 187

■ 212, 187, 189

■ 231, 187, 190

■ 250, 187, 191

■ 255, 187, 192

Harmonies

Analogous

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



124, 165, 186



100, 145, 187



95, 145, 205

Triad

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



100, 145, 187



188, 163, 212



206, 204, 125

Complementary

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



100, 145, 187



187, 100, 106

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.



221, 163, 141



100, 145, 187



213, 156, 190

Square

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



100, 145, 187



153, 168, 223



224, 154, 164



131, 182, 122

Rectangle

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



100, 145, 187



108, 152, 216



224, 154, 164



212, 187, 129

Sweetspot

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



100, 145, 187



208, 226, 242



100, 187, 181



102, 112, 122



250, 250, 250



122, 122, 122

Same Dimension

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



100, 145, 187



107, 177, 242



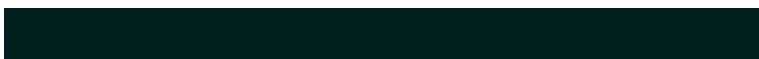
100, 131, 187



85, 90, 94



0, 82, 158



0, 16, 31

Inverse Universe

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



187, 100, 106



242, 107, 116



187, 167, 100



94, 85, 86



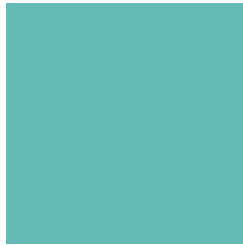
158, 0, 11



31, 0, 2

Previews

White Background



This preview shows how the RYB color 100, 145, 187 looks on a white background.

Color Contrast Check

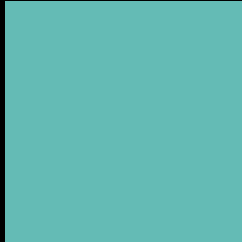
Large Text (above 18pt) WCAG AA × Fail

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, 145, 187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

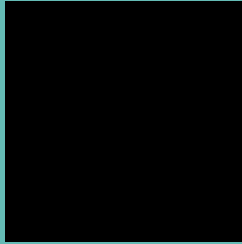
Any Text WCAG AA ✓ Pass

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, 145, 187 Background



This preview shows how black text looks on a background with the RYB color 100, 145, 187.

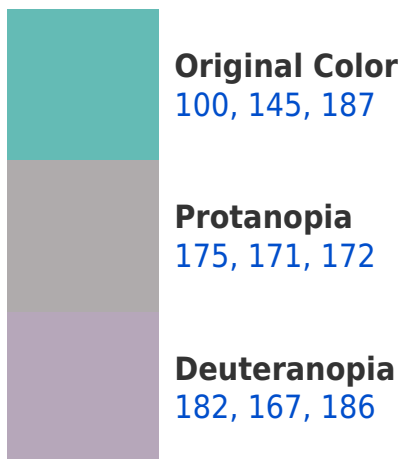


This preview shows how white text looks on a background with the RYB color 100, 145, 187.

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
106, 148, 199

Trichromacy



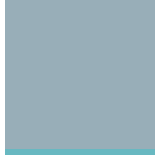
Original Color

100, 145, 187



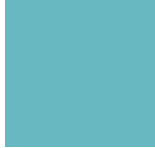
Protanomaly

148, 163, 177



Deuteranomaly

152, 165, 184



Tritanomaly

104, 146, 193

Monochromacy



Original Color

100, 145, 187



Achromatopsia

160, 160, 160



Achromatomaly

138, 155, 170

CSS Examples

Text

The CSS property to change the color of the text to RYB 100, 145, 187 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, 187, 181)` looks like.

```
.text, #text, p{  
    color:rgb(100, 187, 181)  
}
```

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, 187, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 187, 181) }
```

Border

The CSS property to change the border of an element to RYB 100, 145, 187 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, 187, 181) }
```

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

```
.border{ border-color:rgb(100, 187, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 187, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 187, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 187, 181);  
box-shadow:4px 4px 4px 4px rgb(100, 187,  
181) }
```

Background

The CSS property to change the background color of an element to RYB 100, 145, 187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 187, 181) }
```

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

```
.background{ background-color: rgb(100,  
187, 181) }
```

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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