

Converting Colors

`RYB(100, 180, 205)`

Have a look what the booklet for
RYB(100, 180, 205) contains.

RYB(100, 180, 205)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(100, 180, 205)

Conversions

Conversions Part 1

Format	Color
Hex	64CD85
RGB	100, 205, 133
RGB Percent	39%, 80%, 52%
CMY	0.6078, 0.1961, 0.4792
CMYK	0.51, 0.00, 0.35, 0.20
HSL	139°, 51%, 60%
HSV	139°, 51%, 80%
XYZ	31.3075, 48.0602, 29.7489
YIQ	165.3970, -39.4680, -44.6520

Conversions

Conversions Part 2

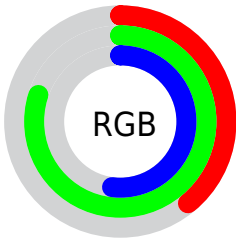
Format	Color
RYB	100, 180, 205
Decimal	6606213
CIELab	74.86, -46.34, 26.88
CIElCh	75, 53.575, 149.883
Yxy	48.0602, 0.2869, 0.4404
Android (android.graphics.Color)	4284796293 (0xFF64CD85)
YUV	165.3970, -15.9717, -57.3532
Hunter-Lab	69.3255, -40.7086, 23.0854

Details

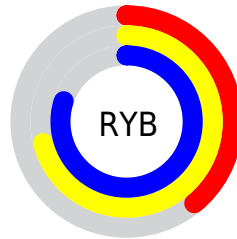
The RYB color **100, 180, 205** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **205, 100, 172**, and the grayscale version is **166, 166, 166**.

A 20% lighter version of the original color is **157, 232, 255**, and **38, 118, 150** is the 20% darker color. If you saturate the color by 10%, you get **80, 175, 205**, and if you desaturate by 10%, it is **121, 185, 205**.

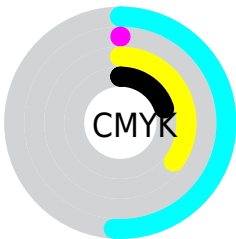
Distribution



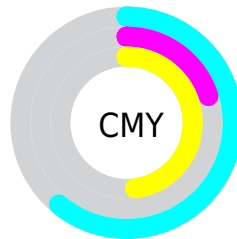
- Red (39%)
- Green (80%)
- Blue (52%)



- Red (39%)
- Yellow (71%)
- Blue (80%)



- Cyan (51%)
- Magenta (0%)
- Yellow (35%)
- Black (20%)




- Cyan (61%)
- Magenta (20%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the RYB color 100, 180, 205 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, 180, 205 by changing the saturation by 10% instead.

 100, 180, 205


255, 255, 255


 157, 233, 255

 186, 235, 255

 215, 239, 255

 245, 250, 255

 100, 180, 205

 71, 150, 177

 38, 118, 150

 0, 83, 123


 0, 72, 98


 0, 62, 73


 0, 49, 49


 0, 26, 26


 0, 0, 0


 100, 180, 205


 100, 180, 205


 80, 175, 205


 121, 185, 205

 59, 170, 205


 141, 190, 205

 39, 165, 205

 162, 195, 205

 18, 161, 205

 182, 200, 205

 0, 156, 205

 203, 205, 205

 223, 205, 217

 243, 205, 231

 255, 205, 246

 255, 205, 255

Harmonies

Analogous

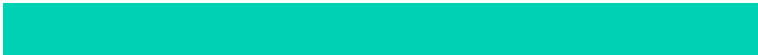
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95, 196, 128



100, 180, 205



0, 112, 209

Triad

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



100, 180, 205



93, 153, 255



255, 149, 138

Complementary

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



100, 180, 205



205, 100, 172

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.



255, 143, 186



100, 180, 205



187, 171, 255

Square

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



100, 180, 205



0, 113, 255



245, 153, 235



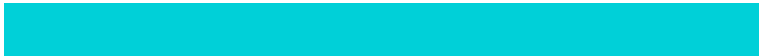
252, 211, 100

Rectangle

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



100, 180, 205



0, 106, 216



245, 153, 235



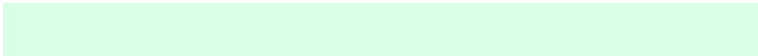
255, 144, 153

Sweetspot

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



100, 180, 205



217, 246, 255



100, 205, 131



105, 123, 128



0, 0, 0



128, 128, 128

Same Dimension

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



100, 180, 205



99, 218, 255



100, 158, 205



92, 100, 102



0, 126, 166



0, 29, 38

Inverse Universe

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



205, 100, 172



255, 99, 206



205, 100, 121



102, 92, 99



166, 0, 114



38, 0, 26

Previews

White Background



This preview shows how the RYB color 100, 180, 205 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, 180, 205 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](#).

RYP 100, 180, 205 Background



This preview shows how black text looks on a background with the RYP color 100, 180, 205.

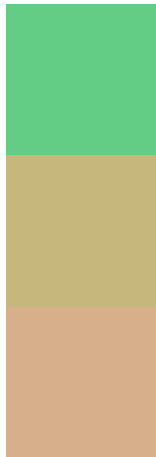


This preview shows how white text looks on a background with the RYP color 100, 180, 205.

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](#).

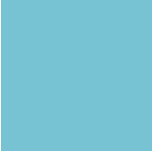
Dichromacy



Original Color
100, 180, 205

Protanopia
143, 198, 124

Deuteranopia
215, 211, 139



Tritanopia
120, 161, 211

Trichromacy



Original Color

100, 180, 205



Protanomaly

127, 191, 156



Deuteranomaly

137, 187, 151



Tritanomaly

113, 160, 199

Monochromacy



Original Color

100, 180, 205



Achromatopsia

165, 165, 165



Achromatomaly

141, 171, 180

CSS Examples

Text

The CSS property to change the color of the text to RYB 100, 180, 205 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, 205, 133)` looks like.

```
.text, #text, p{  
    color:rgb(100, 205, 133)  
}
```

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, 205, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 205, 133) }
```

Border

The CSS property to change the border of an element to RYB 100, 180, 205 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, 205, 133) }
```

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

```
.border{ border-color:rgb(100, 205, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 205, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 205, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 205, 133);  
box-shadow:4px 4px 4px 4px rgb(100, 205,  
133) }
```

Background

The CSS property to change the background color of an element to RYB 100, 180, 205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 205, 133) }
```

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

```
.background{ background-color: rgb(100,  
205, 133) }
```

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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