

Converting Colors

`RYB(117, 176, 205)`

Have a look what the booklet for
RYB(117, 176, 205) contains.

RYB(117, 176, 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(117, 176, 205)

Conversions

Conversions Part 1

Format	Color
Hex	75CDA0
RGB	117, 205, 160
RGB Percent	46%, 80%, 63%
CMY	0.5412, 0.1961, 0.3716
CMYK	0.43, 0.00, 0.22, 0.20
HSL	149°, 47%, 63%
HSV	149°, 43%, 80%
XYZ	35.5349, 49.9915, 41.1509
YIQ	173.5580, -38.0030, -32.6510

Conversions

Conversions Part 2

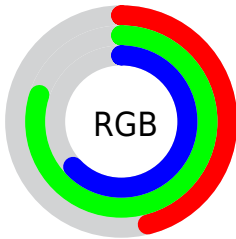
Format	Color
RYB	117, 176, 205
Decimal	7720352
CIELab	76.06, -36.63, 14.13
CIELCh	76, 39.260, 158.905
Yxy	49.9915, 0.2805, 0.3946
Android (android.graphics.Color)	4285910432 (0xFF75CDA0)
YUV	173.5580, -6.6841, -49.6014
Hunter-Lab	70.7047, -34.0224, 14.9859

Details

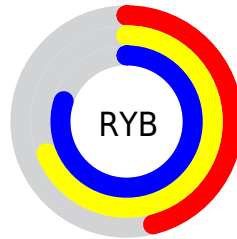
The RYB color **117, 176, 205** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **205, 117, 162**, and the grayscale version is **174, 174, 174**.

A 20% lighter version of the original color is **173, 227, 255**, and **62, 120, 150** is the 20% darker color. If you saturate the color by 10%, you get **97, 169, 205**, and if you desaturate by 10%, it is **138, 183, 205**.

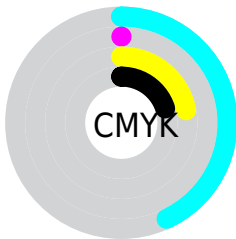
Distribution



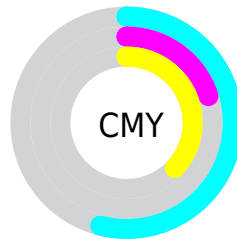
- Red (46%)
- Green (80%)
- Blue (63%)



- Red (46%)
- Yellow (69%)
- Blue (80%)



- Cyan (43%)
- Magenta (0%)
- Yellow (22%)
- Black (20%)



- Cyan (54%)
- Magenta (20%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the RYB color 117, 176, 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 117, 176, 205 by changing the saturation by 10% instead.

 117, 176, 205


255, 255, 255


 173, 227, 255

 201, 231, 255

 230, 243, 255

 117, 176, 205

 90, 148, 177

 62, 119, 150

 31, 90, 124

 0, 60, 98

 0, 48, 74


 0, 37, 50

 0, 29, 29


 0, 0, 0


 117, 176, 205


 117, 176, 205

 97, 169, 205


 138, 183, 205

 76, 163, 205


 158, 190, 205

 55, 155, 205


 179, 196, 205

 35, 149, 205

 199, 203, 205

 14, 142, 205

 220, 205, 212

 0, 137, 205

 240, 205, 223

 255, 205, 233

 255, 205, 244

 255, 205, 254

Harmonies

Analogous

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



130, 199, 168



117, 176, 205



69, 141, 207

Triad

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



117, 176, 205



153, 179, 255



254, 170, 144

Complementary

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



117, 176, 205



205, 117, 162

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, 159, 178



117, 176, 205



206, 174, 244

Square

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



117, 176, 205



92, 156, 254



242, 163, 214



233, 231, 120

Rectangle

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



117, 176, 205



43, 128, 221



242, 163, 214



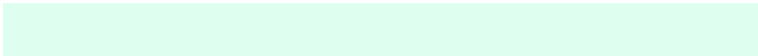
255, 163, 154

Sweetspot

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



117, 176, 205



222, 244, 255



117, 205, 160



107, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

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



117, 176, 205



122, 211, 255



117, 161, 205



92, 99, 102



0, 112, 166



0, 25, 38

Inverse Universe

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



205, 117, 162



255, 122, 190



205, 117, 118



102, 92, 97



166, 0, 84



38, 0, 19

Previews

White Background



This preview shows how the RYB color 117, 176, 205 looks on a white background.

Color Contrast Check

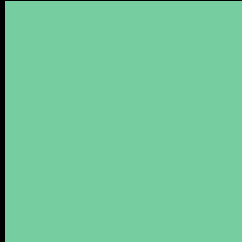
Large Text (above 18pt) WCAG AA × Fail

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 117, 176, 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](#).

RYB 117, 176, 205 Background



This preview shows how black text looks on a background with the RYB color 117, 176, 205.

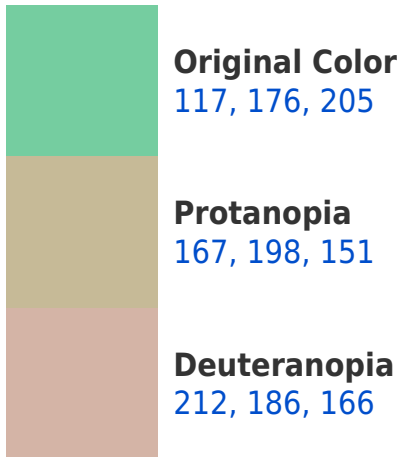


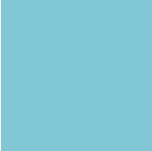
This preview shows how white text looks on a background with the RYB color 117, 176, 205.

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





Tritanopia
130, 168, 214

Trichromacy



Original Color

117, 176, 205



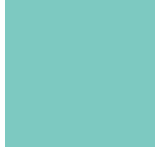
Protanomaly

154, 193, 178



Deuteranomaly

164, 189, 176



Tritanomaly

125, 165, 201

Monochromacy



Original Color

117, 176, 205



Achromatopsia

174, 174, 174



Achromatomaly

153, 174, 185

CSS Examples

Text

The CSS property to change the color of the text to RYB 117, 176, 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(117, 205, 160)` looks like.

```
.text, #text, p{  
    color:rgb(117, 205, 160)  
}
```

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(117, 205, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 205, 160) }
```

Border

The CSS property to change the border of an element to RYB 117, 176, 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(117, 205, 160) }
```

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

```
.border{ border-color:rgb(117, 205, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 205, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 205, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 205, 160);  
box-shadow:4px 4px 4px 4px rgb(117, 205,  
160) }
```

Background

The CSS property to change the background color of an element to RYB 117, 176, 205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 205, 160) }
```

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

```
.background{ background-color: rgb(117,  
205, 160) }
```

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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