

Converting Colors

`RYB(116, 184, 200)`

Have a look what the booklet for
RYB(116, 184, 200) contains.

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Color

R_YB(116, 184, 200)

Conversions

Conversions Part 1

Format	Color
Hex	74C888
RGB	116, 200, 136
RGB Percent	45%, 78%, 53%
CMY	0.5451, 0.2157, 0.4676
CMYK	0.42, 0.00, 0.32, 0.22
HSL	134°, 43%, 62%
HSV	134°, 42%, 78%
XYZ	32.2840, 46.7924, 30.5353
YIQ	167.5880, -29.5200, -37.7120

Conversions

Conversions Part 2

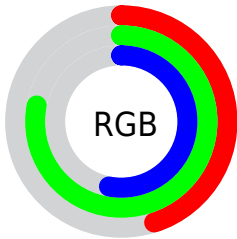
Format	Color
RYB	116, 184, 200
Decimal	7653512
CIELab	74.06, -39.31, 24.36
CIELCh	74, 46.249, 148.218
Yxy	46.7924, 0.2945, 0.4269
Android (android.graphics.Color)	4285843592 (0xFF74C888)
YUV	167.5880, -15.5729, -45.2427
Hunter-Lab	68.4050, -35.4651, 21.4171

Details

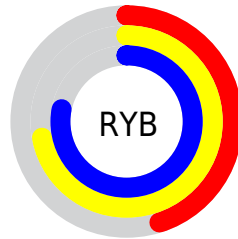
The RYB color **116, 184, 200** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **200, 116, 180**, and the grayscale version is **168, 168, 168**.

A 20% lighter version of the original color is **171, 240, 255**, and **61, 126, 145** is the 20% darker color. If you saturate the color by 10%, you get **96, 181, 200**, and if you desaturate by 10%, it is **136, 188, 200**.

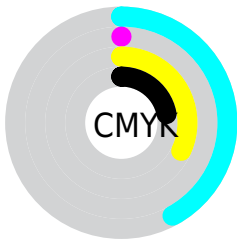
Distribution



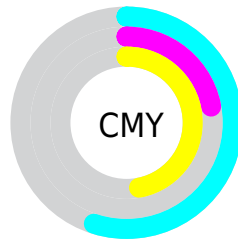
- Red (45%)
- Green (78%)
- Blue (53%)



- Red (45%)
- Yellow (72%)
- Blue (78%)



- Cyan (42%)
- Magenta (0%)
- Yellow (32%)
- Black (22%)



- Cyan (55%)
- Magenta (22%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the RYB color 116, 184, 200 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 116, 184, 200 by changing the saturation by 10% instead.


 116, 184, 200


255, 255, 255


 171, 240, 255


 200, 242, 255


 229, 245, 255

 116, 184, 200

 89, 155, 172

 61, 126, 145

 31, 96, 119

 0, 66, 94


 0, 55, 69


 0, 46, 46

 0, 23, 23


 0, 0, 0


 116, 184, 200


 116, 184, 200


 96, 181, 200


 136, 188, 200


 76, 176, 200


 156, 192, 200

 56, 172, 200

 176, 195, 200

 36, 168, 200

 196, 199, 200

 16, 165, 200

 216, 200, 212

 0, 162, 200

 236, 200, 228

 255, 200, 243

 255, 200, 255

Harmonies

Analogous

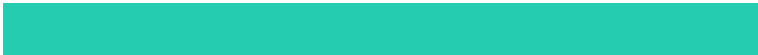
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



105, 192, 129



116, 184, 200



37, 128, 204

Triad

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



116, 184, 200



108, 159, 255



255, 151, 144

Complementary

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



116, 184, 200



200, 116, 180

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, 148, 186



116, 184, 200



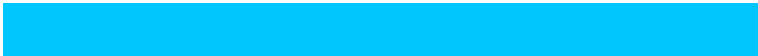
182, 172, 255

Square

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



116, 184, 200



0, 111, 253



233, 157, 227



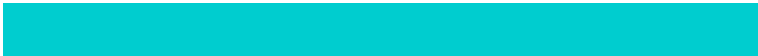
244, 199, 111

Rectangle

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



116, 184, 200



0, 103, 207



233, 157, 227



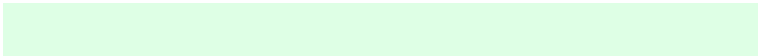
255, 149, 158

Sweetspot

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



116, 184, 200



222, 249, 255



116, 200, 136



107, 124, 128



0, 0, 0



128, 128, 128

Same Dimension

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



116, 184, 200



128, 231, 255



116, 164, 200



90, 97, 99



0, 132, 163



0, 29, 36

Inverse Universe

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



200, 116, 180



255, 128, 225



200, 116, 138



99, 90, 97



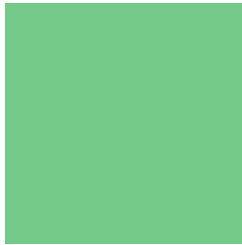
163, 0, 125



36, 0, 27

Previews

White Background



This preview shows how the RYB color 116, 184, 200 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 116, 184, 200 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 116, 184, 200 Background



This preview shows how black text looks on a background with the RYB color 116, 184, 200.

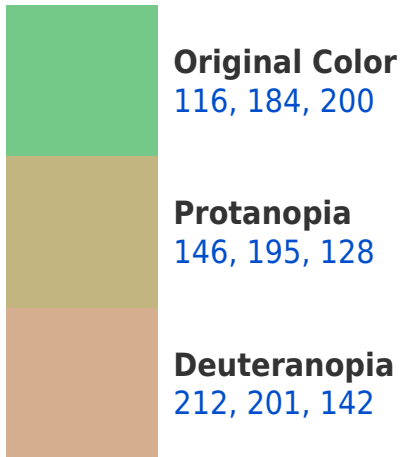


This preview shows how white text looks on a background with the RYB color 116, 184, 200.

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
131, 164, 206

Trichromacy



Original Color

116, 184, 200



Protanomaly

131, 188, 153



Deuteranomaly

140, 183, 146



Tritanomaly

126, 164, 194

Monochromacy



Original Color

116, 184, 200



Achromatopsia

168, 168, 168



Achromatomaly

149, 174, 180

CSS Examples

Text

The CSS property to change the color of the text to RYB 116, 184, 200 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(116, 200, 136)` looks like.

```
.text, #text, p{  
    color:rgb(116, 200, 136)  
}
```

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(116, 200, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 200, 136) }
```

Border

The CSS property to change the border of an element to RYB 116, 184, 200 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(116, 200, 136) }
```

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

```
.border{ border-color:rgb(116, 200, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 200, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 200, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 200, 136);  
box-shadow:4px 4px 4px 4px rgb(116, 200,  
136) }
```

Background

The CSS property to change the background color of an element to RYB 116, 184, 200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 200, 136) }
```

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

```
.background{ background-color: rgb(116,  
200, 136) }
```

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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