

Converting Colors

`RYB(106, 175, 194)`

Have a look what the booklet for
RYB(106, 175, 194) contains.

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Color

R_YB(106, 175, 194)

Conversions

Conversions Part 1

Format	Color
Hex	6AC282
RGB	106, 194, 130
RGB Percent	42%, 76%, 51%
CMY	0.5843, 0.2392, 0.4893
CMYK	0.45, 0.00, 0.33, 0.24
HSL	137°, 42%, 59%
HSV	137°, 45%, 76%
XYZ	29.2805, 43.2657, 28.0087
YIQ	160.3920, -31.9040, -38.5600

Conversions

Conversions Part 2

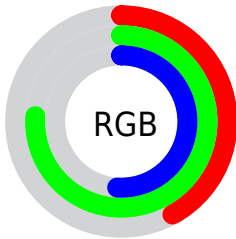
Format	Color
RYB	106, 175, 194
Decimal	6996610
CIELab	71.73, -40.48, 24.07
CIELCh	72, 47.095, 149.262
Yxy	43.2657, 0.2912, 0.4303
Android (android.graphics.Color)	4285186690 (0xFF6AC282)
YUV	160.3920, -14.9833, -47.7018
Hunter-Lab	65.7767, -35.6498, 20.7971

Details

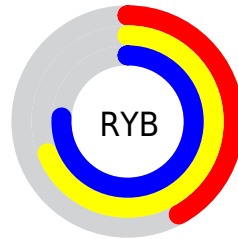
The RYB color **106, 175, 194** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **194, 106, 170**, and the grayscale version is **161, 161, 161**.

A 20% lighter version of the original color is **161, 233, 251**, and **50, 118, 140** is the 20% darker color. If you saturate the color by 10%, you get **87, 171, 194**, and if you desaturate by 10%, it is **125, 179, 194**.

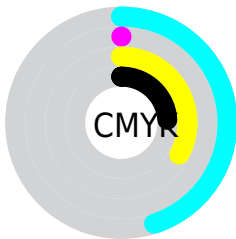
Distribution



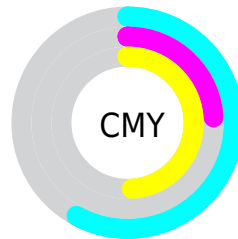
- Red (42%)
- Green (76%)
- Blue (51%)



- Red (42%)
- Yellow (69%)
- Blue (76%)



- Cyan (45%)
- Magenta (0%)
- Yellow (33%)
- Black (24%)



- Cyan (58%)
- Magenta (24%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the RYB color 106, 175, 194 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 106, 175, 194 by changing the saturation by 10% instead.

 106, 175, 194


255, 255, 255


 161, 233, 251


 190, 239, 255

 219, 242, 255


 248, 252, 255

 106, 175, 194

 78, 145, 166


 50, 118, 140

 14, 84, 114

 0, 63, 88

 0, 54, 64

 0, 42, 42

 0, 12, 12

 0, 0, 0

 106, 175, 194

 106, 175, 194

■ 87, 171, 194

■ 125, 179, 194

■ 67, 167, 194

■ 145, 184, 194

■ 48, 163, 194

■ 164, 188, 194

■ 28, 158, 194

■ 184, 192, 194

■ 9, 154, 194

■ 203, 194, 201

■ 0, 152, 194

■ 222, 194, 215

■ 242, 194, 229

■ 255, 194, 243

■ 255, 194, 255

Harmonies

Analogous

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



98, 186, 125



106, 175, 194



0, 106, 198

Triad

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



106, 175, 194



102, 154, 255



255, 145, 136

Complementary

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



106, 175, 194



194, 106, 170

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.



254, 141, 179



106, 175, 194



178, 165, 251

Square

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



106, 175, 194



0, 108, 249



228, 149, 220



237, 196, 103

Rectangle

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



106, 175, 194



0, 100, 203



228, 149, 220



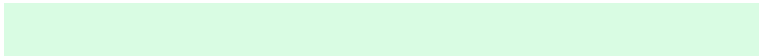
255, 142, 150

Sweetspot

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



106, 175, 194



217, 244, 252



106, 194, 129



106, 123, 128



0, 0, 0



128, 128, 128

Same Dimension

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



106, 175, 194



116, 222, 252



106, 156, 194



87, 95, 97



0, 126, 161



0, 26, 33

Inverse Universe

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



194, 106, 170



252, 116, 215



194, 106, 127



97, 87, 94



161, 0, 116



33, 0, 24

Previews

White Background



This preview shows how the RYB color 106, 175, 194 looks on a white background.

Color Contrast Check

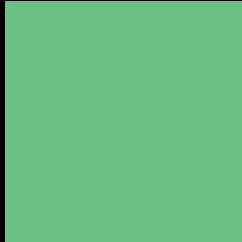
Large Text (above 18pt) WCAG AA × Fail

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 106, 175, 194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

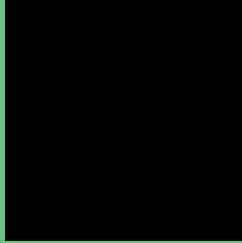
Any Text WCAG AA ✓ Pass

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 106, 175, 194 Background



This preview shows how black text looks on a background with the RYB color 106, 175, 194.

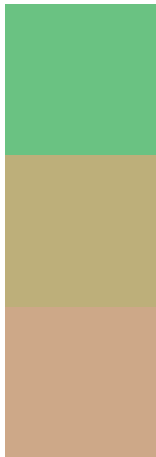


This preview shows how white text looks on a background with the RYB color 106, 175, 194.

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
106, 175, 194

Protanopia
140, 189, 122

Deuteranopia
205, 196, 136



Tritanopia
122, 157, 200

Trichromacy



Original Color

106, 175, 194



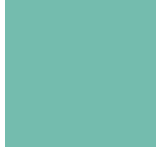
Protanomaly

125, 182, 148



Deuteranomaly

134, 177, 142



Tritanomaly

116, 156, 188

Monochromacy



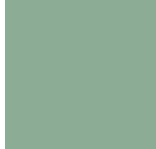
Original Color

106, 175, 194



Achromatopsia

160, 160, 160



Achromatomaly

140, 165, 172

CSS Examples

Text

The CSS property to change the color of the text to RYB 106, 175, 194 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(106, 194, 130)` looks like.

```
.text, #text, p{  
    color:rgb(106, 194, 130)  
}
```

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(106, 194, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 194, 130) }
```

Border

The CSS property to change the border of an element to RYB 106, 175, 194 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(106, 194, 130) }
```

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

```
.border{ border-color:rgb(106, 194, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 194, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 194, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 194, 130);  
box-shadow:4px 4px 4px 4px rgb(106, 194,  
130) }
```

Background

The CSS property to change the background color of an element to RYB 106, 175, 194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 194, 130) }
```

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

```
.background{ background-color: rgb(106,  
194, 130) }
```

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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