

Converting Colors

`RYB(106, 142, 194)`

Have a look what the booklet for
RYB(106, 142, 194) contains.

RYB(106, 142, 194)	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(106, 142, 194)

Conversions

Conversions Part 1

Format	Color
Hex	6AA7C2
RGB	106, 167, 194
RGB Percent	42%, 65%, 76%
CMY	0.5843, 0.3454, 0.2392
CMYK	0.45, 0.14, 0.00, 0.24
HSL	198°, 42%, 59%
HSV	198°, 45%, 76%
XYZ	29.4861, 34.5685, 56.1572
YIQ	151.8390, -45.0230, -4.5350

Conversions

Conversions Part 2

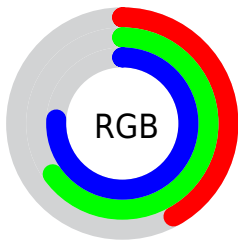
Format	Color
R_{YB}	106, 142, 194
Decimal	6989762
CIE _{Lab}	65.41, -12.43, -20.03
CIE _{LCh}	65, 23.572, 238.165
Yxy	34.5685, 0.2453, 0.2876
Android (android.graphics.Color)	4285179842 (0xFF6AA7C2)
YUV	151.8390, 20.7854, -40.2008
Hunter-Lab	58.7950, -13.3721, -15.4736

Details

The RYB color **106, 142, 194** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **194, 145, 106**, and the grayscale version is **152, 152, 152**.

A 20% lighter version of the original color is **161, 197, 251**, and **50, 88, 140** is the 20% darker color. If you saturate the color by 10%, you get **87, 131, 194**, and if you desaturate by 10%, it is **125, 153, 194**.

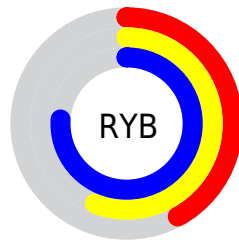
Distribution



Red (42%)

Green (65%)

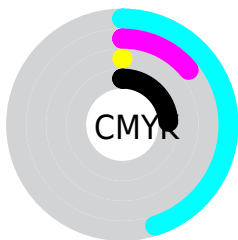
Blue (76%)



Red (42%)

Yellow (56%)

Blue (76%)

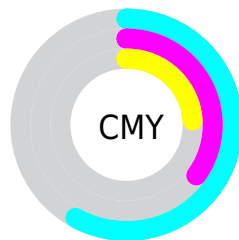


Cyan (45%)

Magenta (14%)

Yellow (0%)

Black (24%)



Cyan (58%)

Magenta (35%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the RYB color 106, 142, 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, 142, 194 by changing the saturation by 10% instead.

 106, 142, 194

255, 255, 255


 161, 197, 251

 190, 221, 255

 218, 237, 255

 248, 252, 255

 106, 142, 194

 79, 115, 167


 50, 88, 140

 15, 58, 115

 0, 38, 90

 0, 27, 67

 0, 16, 44

 0, 1, 24

 0, 0, 0

 106, 142, 194

 106, 142, 194

■ 87, 131, 194

■ 125, 153, 194

■ 67, 119, 194

■ 145, 165, 194

■ 48, 108, 194

■ 164, 176, 194

■ 28, 96, 194

■ 184, 188, 194

■ 9, 85, 194

■ 203, 199, 194

■ 0, 79, 194

■ 222, 207, 194

■ 242, 216, 194

■ 255, 226, 194

■ 255, 242, 194

Harmonies

Analogous

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



97, 135, 178



106, 142, 194



131, 152, 201

Triad

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



106, 142, 194



199, 144, 161



121, 164, 132

Complementary

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



106, 142, 194



194, 145, 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.



145, 176, 117



106, 142, 194



202, 145, 140

Square

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



106, 142, 194



185, 147, 181



193, 166, 124



129, 162, 168

Rectangle

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



106, 142, 194



151, 156, 199



193, 166, 124



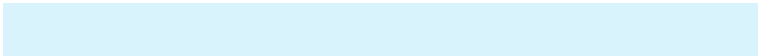
119, 162, 120

Sweetspot

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



106, 142, 194



217, 232, 252



106, 174, 194



106, 115, 128



0, 0, 0



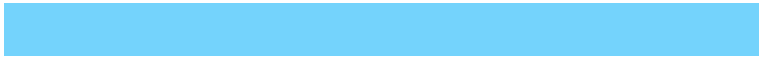
128, 128, 128

Same Dimension

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



106, 142, 194



116, 172, 252



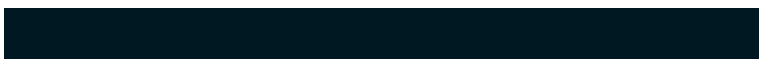
106, 121, 194



87, 91, 97



0, 66, 161



0, 14, 33

Inverse Universe

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



194, 106, 167



252, 116, 211



129, 194, 106



97, 87, 94



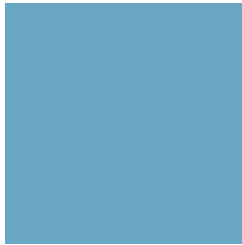
161, 0, 111



33, 0, 23

Previews

White Background



This preview shows how the RYB color 106, 142, 194 looks on a white background.

Color Contrast Check

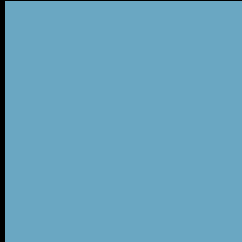
Large Text (above 18pt) WCAG AA × Fail

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, 142, 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, 142, 194 Background



This preview shows how black text looks on a background with the RYB color 106, 142, 194.



This preview shows how white text looks on a background with the RYB color 106, 142, 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, 142, 194

Protanopia
152, 156, 187

Deuteranopia
154, 155, 197



Tritanopia
103, 139, 182

Trichromacy



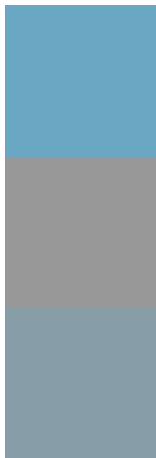
Original Color
106, 142, 194

Protanomaly
135, 153, 190

Deuteranomaly
137, 153, 196

Tritanomaly
104, 140, 186

Monochromacy



Original Color
106, 142, 194

Achromatopsia
152, 152, 152

Achromatomaly
135, 148, 167

CSS Examples

Text

The CSS property to change the color of the text to RYB 106, 142, 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, 167, 194)` looks like.

```
.text, #text, p{  
    color:rgb(106, 167, 194)  
}
```

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, 167, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 167, 194) }
```

Border

The CSS property to change the border of an element to RYB 106, 142, 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, 167, 194) }
```

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

```
.border{ border-color:rgb(106, 167, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 167, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 167, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 167, 194);  
box-shadow:4px 4px 4px 4px rgb(106, 167,  
194) }
```

Background

The CSS property to change the background color of an element to RYB 106, 142, 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, 167, 194) }
```

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

```
.background{ background-color: rgb(106,  
167, 194) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor