

Converting Colors

R_YB(48, 94, 193)

Have a look what the booklet for
RYB(48, 94, 193) contains.

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Color

`RYB(48, 94, 193)`

Conversions

Conversions Part 1

Format	Color
Hex	3073C1
RGB	48, 115, 193
RGB Percent	19%, 45%, 76%
CMY	0.8118, 0.5476, 0.2431
CMYK	0.75, 0.40, 0.00, 0.24
HSL	212°, 60%, 47%
HSV	212°, 75%, 76%
XYZ	17.0180, 16.8255, 52.8028
YIQ	103.8590, -64.9700, 10.0540

Conversions

Conversions Part 2

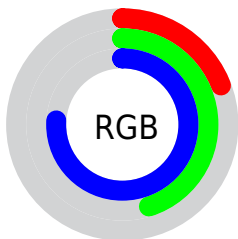
Format	Color
R_{YB}	48, 94, 193
Decimal	3175361
CIE Lab	48.04, 5.78, -46.72
CIE LCh	48, 47.075, 277.053
Yxy	16.8255, 0.1964, 0.1942
Android (android.graphics.Color)	4281365441 (0xFF3073C1)
YUV	103.8590, 43.9465, -48.9883
Hunter-Lab	41.0189, 2.2733, -47.6095

Details

The RYB color **48, 94, 193** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **173, 193, 48**, and the grayscale version is **104, 104, 104**.

A 20% lighter version of the original color is **113, 151, 250**, and **0, 46, 139** is the 20% darker color. If you saturate the color by 10%, you get **29, 81, 193**, and if you desaturate by 10%, it is **67, 107, 193**.

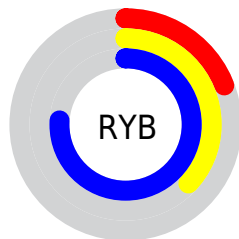
Distribution



Red (19%)

Green (45%)

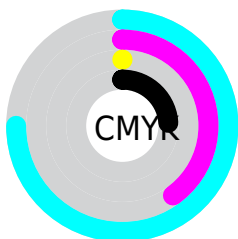
Blue (76%)



Red (19%)

Yellow (37%)

Blue (76%)

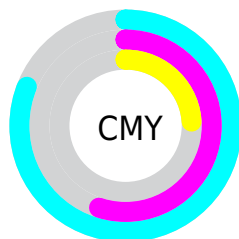


Cyan (75%)

Magenta (40%)

Yellow (0%)

Black (24%)



Cyan (81%)


















Magenta (55%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the RYB color 48, 94, 193 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 48, 94, 193 by changing the saturation by 10% instead.

 48, 94, 193	 48, 94, 193
255, 255, 255	 0, 59, 166
 113, 152, 250	 0, 46, 139
 143, 178, 255	 0, 33, 113
 173, 204, 255	 0, 21, 88
 202, 227, 255	 0, 6, 64
 232, 244, 255	 0, 3, 41
	 0, 1, 19
	 0, 0, 0
 48, 94, 193	 48, 94, 193

■ 29, 81, 193

■ 67, 107, 193

■ 9, 68, 193

■ 87, 121, 193

■ 0, 61, 193

■ 106, 133, 193

■ 125, 147, 193

■ 145, 160, 193

■ 164, 173, 193

■ 183, 186, 193

■ 200, 202, 193

■ 220, 222, 193

Harmonies

Analogous

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



0, 75, 187



48, 94, 193



128, 100, 178

Triad

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



48, 94, 193



181, 88, 68



0, 81, 131

Complementary

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



48, 94, 193



173, 193, 48

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.



46, 125, 87



48, 94, 193



154, 160, 39

Square

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



48, 94, 193



186, 77, 106



39, 126, 27



0, 69, 133

Rectangle

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



48, 94, 193



159, 88, 158



39, 126, 27



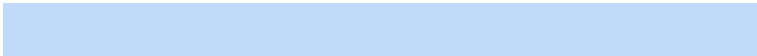
45, 111, 130

Sweetspot

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



48, 94, 193



192, 210, 250



48, 143, 193



90, 101, 125



252, 252, 252



125, 125, 125

Same Dimension

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



48, 94, 193



25, 96, 250



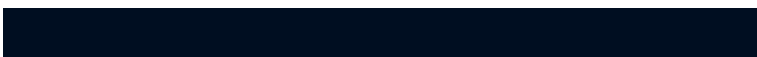
53, 48, 193



87, 90, 97



0, 51, 161



0, 10, 33

Inverse Universe

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



193, 48, 115



250, 25, 129



48, 193, 53



97, 87, 92



161, 0, 75



33, 0, 15

Previews

White Background



This preview shows how the RYB color 48, 94, 193 looks on a white 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 × Fail

Black Background



This preview shows how the RYB color 48, 94, 193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYP 48, 94, 193 Background



This preview shows how black text looks on a background with the RYP color 48, 94, 193.

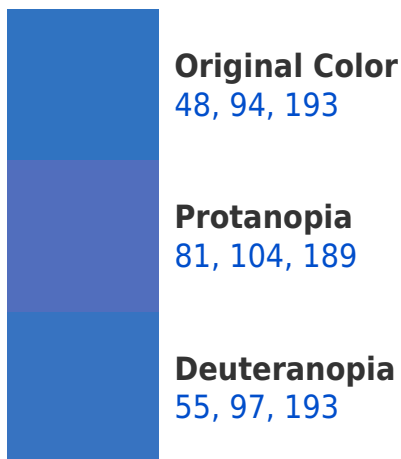


This preview shows how white text looks on a background with the RYP color 48, 94, 193.

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](#).

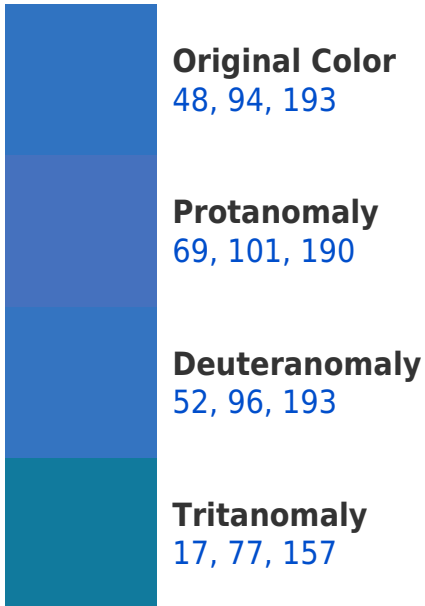
Dichromacy



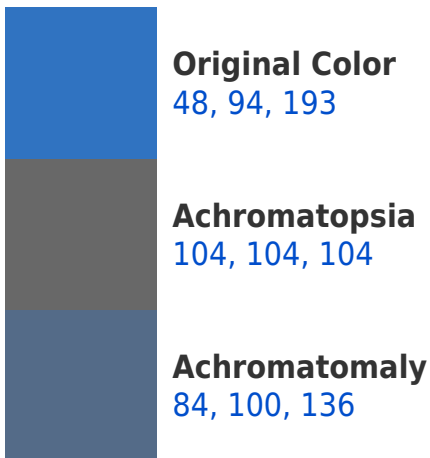


Tritanopia
0, 65, 136

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 48, 94, 193 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(48, 115, 193)` looks like.

```
.text, #text, p{  
    color:rgb(48, 115, 193)  
}
```

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(48, 115, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 115, 193) }
```

Border

The CSS property to change the border of an element to RYB 48, 94, 193 is called "border". The border property can be set on classes, ids or directly on the HTML element.

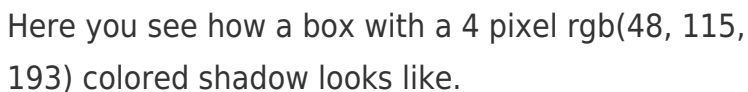
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(48, 115, 193) }
```

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

```
.border{ border-color:rgb(48, 115, 193) }
```

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



Here you see how a box with a 4 pixel `rgb(48, 115, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 115, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 115, 193);  
box-shadow:4px 4px 4px 4px rgb(48, 115,  
193) }
```

Background

The CSS property to change the background color of an element to RYB 48, 94, 193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 115, 193) }
```

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

```
.background{ background-color: rgb(48, 115,  
193) }
```

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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