

Converting Colors

`RYB(48, 111, 192)`

Have a look what the booklet for
RYB(48, 111, 192) contains.

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Color

R_YB(48, 111, 192)

Conversions

Conversions Part 1

Format	Color
Hex	30A0C0
RGB	48, 160, 192
RGB Percent	19%, 63%, 75%
CMY	0.8118, 0.3725, 0.2471
CMYK	0.75, 0.17, 0.00, 0.25
HSL	193°, 60%, 47%
HSV	193°, 75%, 75%
XYZ	23.3042, 29.5758, 54.3496
YIQ	130.1600, -77.0240, -13.7920

Conversions

Conversions Part 2

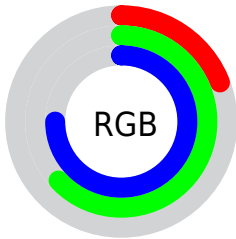
Format	Color
R_{YB}	48, 111, 192
Decimal	3186880
CIE _{Lab}	61.29, -20.19, -25.40
CIE _{LCh}	61, 32.443, 231.523
Yxy	29.5758, 0.2173, 0.2758
Android (android.graphics.Color)	4281376960 (0xFF30A0C0)
YUV	130.1600, 30.4871, -72.0543
Hunter-Lab	54.3836, -18.6815, -21.1844

Details

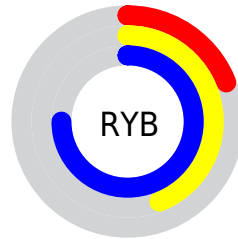
The RYB color **48, 111, 192** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **192, 89, 48**, and the grayscale version is **130, 130, 130**.

A 20% lighter version of the original color is **115, 172, 248**, and **0, 61, 138** is the 20% darker color. If you saturate the color by 10%, you get **29, 100, 192**, and if you desaturate by 10%, it is **67, 122, 192**.

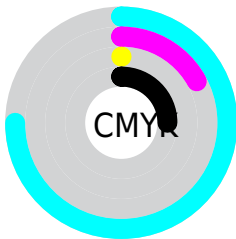
Distribution



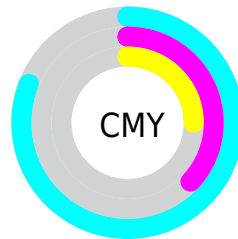
- Red (19%)
- Green (63%)
- Blue (75%)



- Red (19%)
- Yellow (44%)
- Blue (75%)



- Cyan (75%)
- Magenta (17%)
- Yellow (0%)
- Black (25%)



- Cyan (81%)
- Magenta (37%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the RYB color 48, 111, 192 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, 111, 192 by changing the saturation by 10% instead.



48, 111, 192



48, 111, 192

255, 255, 255



0, 74, 165



115, 172, 248



0, 61, 138



145, 197, 255



0, 48, 113



175, 215, 255



0, 36, 88



205, 230, 255



0, 24, 65



235, 245, 255



0, 9, 43



0, 1, 21



0, 0, 0



48, 111, 192



48, 111, 192

■ 29, 100, 192

■ 67, 122, 192

■ 10, 89, 192

■ 86, 133, 192

■ 0, 84, 192

■ 106, 144, 192

■ 125, 154, 192

■ 144, 165, 192

■ 163, 176, 192

■ 182, 186, 192

■ 202, 195, 192

■ 221, 200, 192

Harmonies

Analogous

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



42, 104, 168



48, 111, 192



94, 132, 204

Triad

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



48, 111, 192



198, 127, 157



94, 153, 101

Complementary

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



48, 111, 192



192, 89, 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.



140, 174, 91



48, 111, 192



204, 127, 128

Square

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



48, 111, 192



176, 133, 184



195, 149, 104



111, 159, 157

Rectangle

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



48, 111, 192



125, 142, 204



195, 149, 104



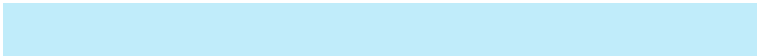
98, 156, 91

Sweetspot

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



48, 111, 192



192, 217, 250



48, 166, 192



90, 105, 125



252, 252, 252



125, 125, 125

Same Dimension

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



48, 111, 192



25, 123, 250



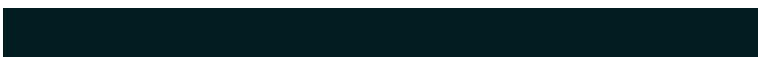
48, 80, 192



87, 91, 97



0, 70, 161



0, 15, 33

Inverse Universe

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



192, 48, 160



250, 25, 200



105, 192, 48



97, 87, 95



161, 0, 125



33, 0, 26

Previews

White Background



This preview shows how the RYB color 48, 111, 192 looks on a white background.

Color Contrast Check

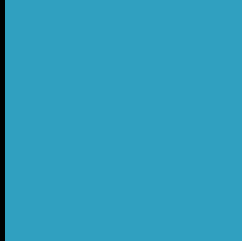
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RYB color 48, 111, 192 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 × Fail

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

RGB 48, 111, 192 Background



This preview shows how black text looks on a background with the RGB color 48, 111, 192.

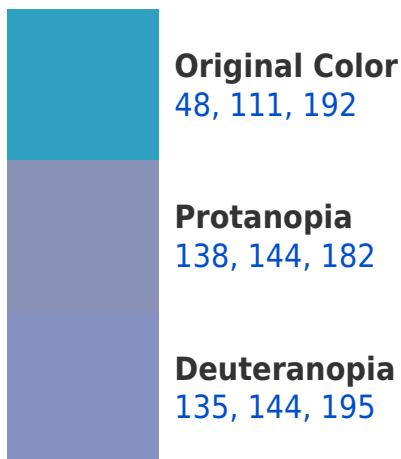


This preview shows how white text looks on a background with the RGB color 48, 111, 192.

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
34, 102, 176

Trichromacy



Original Color
48, 111, 192

Protanomaly
105, 134, 186

Deuteranomaly
103, 134, 194

Tritanomaly
39, 105, 182

Monochromacy



Original Color
48, 111, 192

Achromatopsia
130, 130, 130

Achromatomaly
100, 123, 153

CSS Examples

Text

The CSS property to change the color of the text to RYB 48, 111, 192 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, 160, 192)` looks like.

```
.text, #text, p{  
    color:rgb(48, 160, 192)  
}
```

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, 160, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 160, 192) }
```

Border

The CSS property to change the border of an element to RYB 48, 111, 192 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, 160, 192) }
```

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

```
.border{ border-color:rgb(48, 160, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 160, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 160, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 160, 192);  
box-shadow:4px 4px 4px 4px rgb(48, 160,  
192) }
```

Background

The CSS property to change the background color of an element to RYB 48, 111, 192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 160, 192) }
```

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

```
.background{ background-color: rgb(48, 160,  
192) }
```

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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