

Converting Colors

`RYB(48, 121, 217)`

Have a look what the booklet for
RYB(48, 121, 217) contains.

RYB(48, 121, 217)	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

$\text{RYB}(48, 121, 217)$

Conversions

Conversions Part 1

Format	Color
Hex	30B1D9
RGB	48, 177, 217
RGB Percent	19%, 69%, 85%
CMY	0.8118, 0.3078, 0.1490
CMYK	0.78, 0.19, 0.00, 0.15
HSL	194°, 69%, 52%
HSV	194°, 78%, 85%
XYZ	29.3689, 36.8893, 71.2181
YIQ	142.9890, -89.7240, -14.9080

Conversions

Conversions Part 2

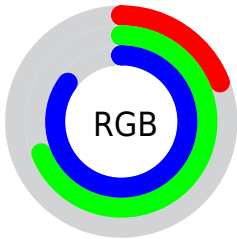
Format	Color
RYB	48, 121, 217
Decimal	3191257
CIELab	67.19, -20.57, -30.17
CIELCh	67, 36.514, 235.720
Yxy	36.8893, 0.2136, 0.2683
Android (android.graphics.Color)	4281381337 (0xFF30B1D9)
YUV	142.9890, 36.4874, -83.3054
Hunter-Lab	60.7366, -19.9762, -27.0062

Details

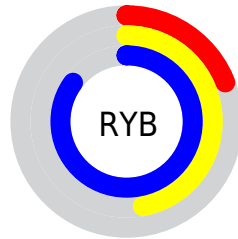
The RYB color **48, 121, 217** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **217, 100, 48**, and the grayscale version is **142, 142, 142**.

A 20% lighter version of the original color is **120, 182, 255**, and **0, 70, 162** is the 20% darker color. If you saturate the color by 10%, you get **26, 108, 217**, and if you desaturate by 10%, it is **70, 134, 217**.

Distribution



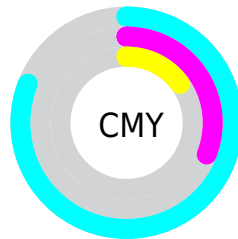
- Red (19%)
- Green (69%)
- Blue (85%)



- Red (19%)
- Yellow (47%)
- Blue (85%)



- Cyan (78%)
- Magenta (19%)
- Yellow (0%)
- Black (15%)




















- Cyan (81%)
- Magenta (31%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 48, 121, 217 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, 121, 217 by changing the saturation by 10% instead.

 48, 121, 217	 48, 121, 217
 255, 255, 255	 0, 84, 189
 120, 181, 255	 0, 70, 162
 151, 203, 255	 0, 57, 136
 182, 219, 255	 0, 45, 110
 213, 234, 255	 0, 32, 86
 243, 249, 255	 0, 21, 62
	 0, 3, 40
	 0, 1, 18
	 0, 0, 0

■ 48, 121, 217

■ 48, 121, 217

■ 26, 108, 217

■ 70, 134, 217

■ 5, 97, 217

■ 91, 145, 217

■ 0, 94, 217

■ 113, 158, 217

■ 135, 170, 217

■ 157, 183, 217

■ 178, 195, 217

■ 200, 207, 217

■ 222, 218, 217

■ 243, 225, 217

Harmonies

Analogous

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



25, 105, 191



48, 121, 217



108, 148, 229

Triad

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



48, 121, 217



223, 138, 170



103, 170, 117

Complementary

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



48, 121, 217



217, 100, 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.



143, 190, 98



48, 121, 217



227, 140, 137

Square

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



48, 121, 217



201, 145, 201



215, 172, 110



118, 171, 177

Rectangle

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



48, 121, 217



144, 158, 227



215, 172, 110



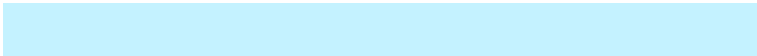
100, 168, 99

Sweetspot

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



48, 121, 217



196, 222, 255



48, 185, 217



92, 107, 128



0, 0, 0



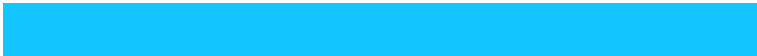
128, 128, 128

Same Dimension

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



48, 121, 217



18, 120, 255



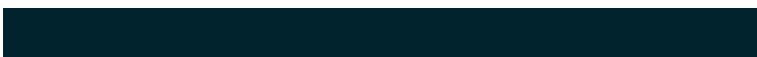
48, 84, 217



99, 104, 110



0, 75, 173



0, 20, 46

Inverse Universe

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



217, 48, 177



255, 18, 198



109, 217, 48



110, 99, 107



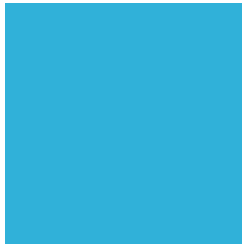
173, 0, 132



46, 0, 35

Previews

White Background



This preview shows how the RYB color 48, 121, 217 looks on a white background.

Color Contrast Check

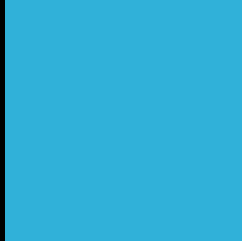
Large Text (above 18pt) WCAG AA × Fail

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 48, 121, 217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

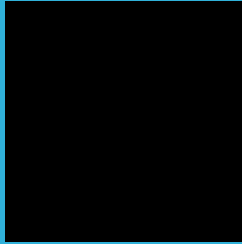
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

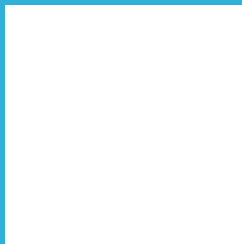
Any Text WCAG AAA ✓ Pass

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

RYB 48, 121, 217 Background



This preview shows how black text looks on a background with the RYB color 48, 121, 217.

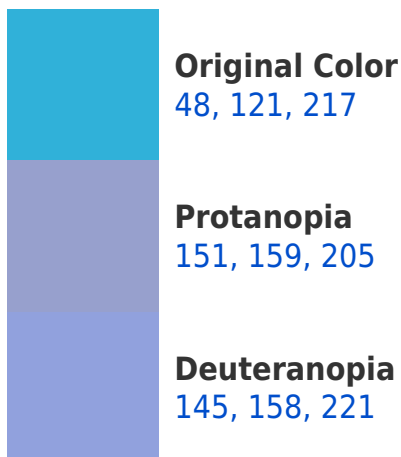


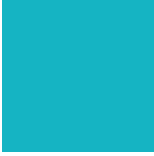
This preview shows how white text looks on a background with the RYB color 48, 121, 217.

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
21, 104, 195

Trichromacy



Original Color
48, 121, 217

Protanomaly
114, 148, 209

Deuteranomaly
110, 147, 220

Tritanomaly
31, 111, 203

Monochromacy



Original Color
48, 121, 217

Achromatopsia
143, 143, 143

Achromatomaly
108, 135, 170

CSS Examples

Text

The CSS property to change the color of the text to RYB 48, 121, 217 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, 177, 217)` looks like.

```
.text, #text, p{  
    color:rgb(48, 177, 217)  
}
```

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, 177, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 177, 217) }
```

Border

The CSS property to change the border of an element to RYB 48, 121, 217 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, 177, 217) }
```

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

```
.border{ border-color:rgb(48, 177, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 177, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 177, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 177, 217);  
box-shadow:4px 4px 4px 4px rgb(48, 177,  
217) }
```

Background

The CSS property to change the background color of an element to RYB 48, 121, 217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 177, 217) }
```

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

```
.background{ background-color: rgb(48, 177,  
217) }
```

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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