

Converting Colors

`RYB(48, 121, 201)`

Have a look what the booklet for
RYB(48, 121, 201) contains.

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Color

$\text{RYB}(48, 121, 201)$

Conversions

Conversions Part 1

Format	Color
Hex	30BCC9
RGB	48, 188, 201
RGB Percent	19%, 74%, 79%
CMY	0.8118, 0.2643, 0.2118
CMYK	0.76, 0.07, 0.00, 0.21
HSL	185°, 61%, 49%
HSV	185°, 76%, 79%
XYZ	29.6621, 40.6465, 61.5405
YIQ	147.6220, -87.6130, -25.6370

Conversions

Conversions Part 2

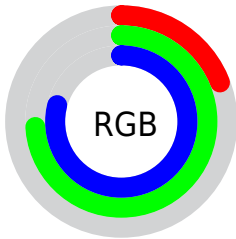
Format	Color
RYB	48, 121, 201
Decimal	3194057
CIELab	69.93, -31.23, -17.21
CIELCh	70, 35.656, 208.858
Yxy	40.6465, 0.2250, 0.3083
Android (android.graphics.Color)	4281384137 (0xFF30BCC9)
YUV	147.6220, 26.3154, -87.3685
Hunter-Lab	63.7546, -28.5228, -12.6027

Details

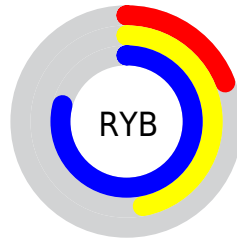
The RYB color **48, 121, 201** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted azure. A complement of this color would be **201, 62, 48**, and the grayscale version is **147, 147, 147**.

A 20% lighter version of the original color is **119, 184, 255**, and **0, 70, 147** is the 20% darker color. If you saturate the color by 10%, you get **28, 111, 201**, and if you desaturate by 10%, it is **68, 131, 201**.

Distribution



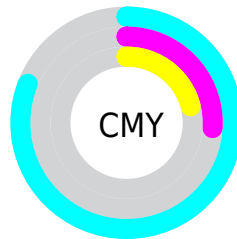
- Red (19%)
- Green (74%)
- Blue (79%)



- Red (19%)
- Yellow (47%)
- Blue (79%)



- Cyan (76%)
- Magenta (7%)
- Yellow (0%)
- Black (21%)



















- Cyan (81%)
- Magenta (26%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the RYB color 48, 121, 201 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, 201 by changing the saturation by 10% instead.

 48, 121, 201	 48, 121, 201
 255, 255, 255	 0, 83, 174
 119, 184, 255	 0, 70, 147
 150, 203, 255	 0, 57, 121
 180, 218, 255	 0, 45, 96
 211, 233, 255	 0, 33, 73
 242, 249, 255	 0, 22, 50
	 0, 2, 30
	 0, 0, 0

 48, 121, 201	 48, 121, 201
--	--

■ 28, 111, 201

■ 68, 131, 201

■ 8, 100, 201

■ 88, 142, 201

■ 0, 96, 201

■ 108, 152, 201

■ 128, 163, 201

■ 149, 174, 201

■ 169, 184, 201

■ 189, 195, 201

■ 209, 202, 201

■ 229, 203, 201

Harmonies

Analogous

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



81, 140, 188



48, 121, 201



71, 136, 225

Triad

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



48, 121, 201



211, 152, 205



143, 194, 106

Complementary

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



48, 121, 201



201, 62, 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.



220, 184, 116



48, 121, 201



231, 146, 173

Square

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



48, 121, 201



173, 163, 228



234, 149, 141



113, 178, 131

Rectangle

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



48, 121, 201



105, 152, 234



234, 149, 141



170, 203, 107

Sweetspot

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



48, 121, 201



196, 224, 255



48, 189, 201



92, 109, 128



0, 0, 0



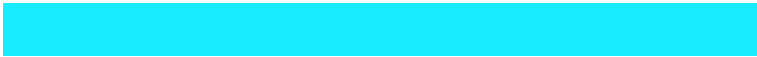
128, 128, 128

Same Dimension

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



48, 121, 201



23, 134, 255



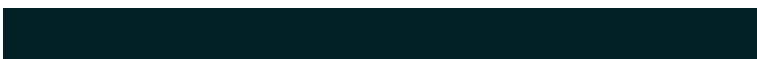
48, 93, 201



90, 95, 99



0, 78, 163



0, 17, 36

Inverse Universe

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



201, 48, 188



255, 23, 235



158, 201, 48



99, 90, 99



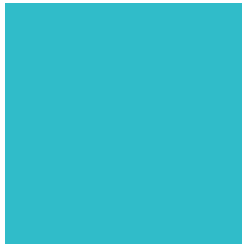
163, 0, 149



36, 0, 33

Previews

White Background



This preview shows how the RYB color 48, 121, 201 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, 201 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, 201 Background



This preview shows how black text looks on a background with the RYB color 48, 121, 201.



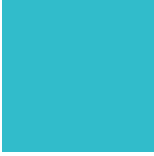
This preview shows how white text looks on a background with the RYB color 48, 121, 201.

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
49, 122, 203

Trichromacy



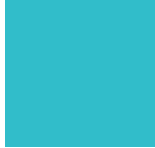
Original Color
48, 121, 201



Protanomaly
124, 153, 193



Deuteranomaly
124, 155, 204



Tritanomaly
49, 122, 202

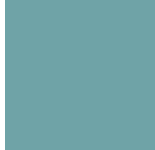
Monochromacy



Original Color
48, 121, 201



Achromatopsia
147, 147, 147



Achromatomaly
111, 138, 167

CSS Examples

Text

The CSS property to change the color of the text to RYB 48, 121, 201 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, 188, 201)` looks like.

```
.text, #text, p{  
    color:rgb(48, 188, 201)  
}
```

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, 188, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 188, 201) }
```

Border

The CSS property to change the border of an element to RYB 48, 121, 201 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, 188, 201) }
```

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

```
.border{ border-color:rgb(48, 188, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 188, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 188, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 188, 201);  
box-shadow:4px 4px 4px 4px rgb(48, 188,  
201) }
```

Background

The CSS property to change the background color of an element to RYB 48, 121, 201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 188, 201) }
```

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

```
.background{ background-color: rgb(48, 188,  
201) }
```

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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