

Converting Colors

`RYB(48, 100, 151)`

Have a look what the booklet for
RYB(48, 100, 151) contains.

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Color

R_YB(48, 100, 151)

Conversions

Conversions Part 1

Format	Color
Hex	309795
RGB	48, 151, 149
RGB Percent	19%, 59%, 58%
CMY	0.8118, 0.4078, 0.4156
CMYK	0.68, 0.00, 0.01, 0.41
HSL	179°, 52%, 39%
HSV	179°, 68%, 59%
XYZ	17.7119, 24.9321, 32.3207
YIQ	119.9750, -60.7460, -22.4580

Conversions

Conversions Part 2

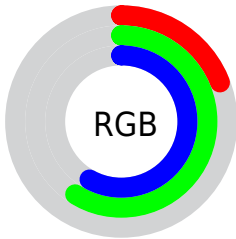
Format	Color
RYB	48, 100, 151
Decimal	3184533
CIELab	57.01, -29.10, -7.54
CIElCh	57, 30.063, 194.518
Yxy	24.9321, 0.2363, 0.3326
Android (android.graphics.Color)	4281374613 (0xFF309795)
YUV	119.9750, 14.3093, -63.1221
Hunter-Lab	49.9321, -24.0637, -3.4255




Details

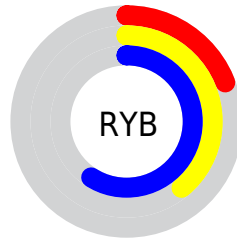
The RYB color **48, 100, 151** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **151, 48, 50**, and the grayscale version is **120, 120, 120**.




A 20% lighter version of the original color is **109, 158, 206**, and **0, 50, 99** is the 20% darker color. If you saturate the color by 10%, you get **33, 93, 151**, and if you desaturate by 10%, it is **63, 108, 151**.

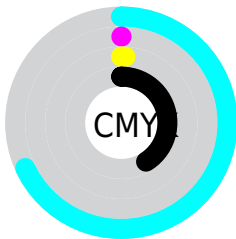
Distribution







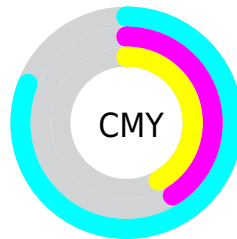
-  Red (19%)
-  Green (59%)
-  Blue (58%)






-  Red (19%)
-  Yellow (39%)
-  Blue (59%)



-  Cyan (68%)
-  Magenta (0%)
-  Yellow (1%)
-  Black (41%)



-  Cyan (81%)
-  Magenta (41%)
-  Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the RYB color 48, 100, 151 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, 100, 151 by changing the saturation by 10% instead.

 48, 100, 151  48, 100, 151

255, 255, 255  0, 63, 125

 109, 158, 206  0, 50, 99

 138, 187, 234  0, 38, 75

 166, 211, 255  0, 26, 52

 195, 225, 255  0, 17, 33

 225, 240, 255  0, 0, 6

 0, 0, 0

 48, 100, 151  48, 100, 151

 33, 93, 151  63, 108, 151

■ 18, 85, 151

■ 78, 115, 151

■ 3, 78, 151

■ 93, 122, 151

■ 0, 76, 151

■ 108, 130, 151

■ 124, 138, 151

■ 139, 145, 151

■ 154, 151, 151

■ 169, 151, 151

■ 184, 151, 152

Harmonies

Analogous

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



80, 124, 150



48, 100, 151



42, 101, 173

Triad

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



48, 100, 151



156, 125, 174



150, 166, 87

Complementary

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



48, 100, 151



151, 48, 50

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.



183, 129, 101



48, 100, 151



180, 118, 151

Square

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



48, 100, 151



120, 132, 187



188, 117, 125



88, 142, 85

Rectangle

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



48, 100, 151



64, 113, 183



188, 117, 125



173, 157, 90

Sweetspot

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



48, 100, 151



157, 177, 196



48, 151, 148



76, 88, 99



227, 227, 227



99, 99, 99

Same Dimension

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



48, 100, 151



35, 116, 196



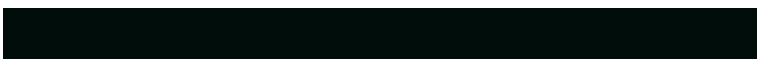
48, 84, 151



69, 73, 77



0, 71, 140



0, 7, 13

Inverse Universe

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



151, 48, 50



196, 35, 38



151, 138, 48



77, 69, 69



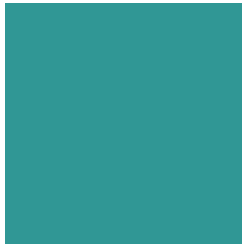
140, 0, 3



13, 0, 0

Previews

White Background



This preview shows how the RYB color 48, 100, 151 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, 100, 151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

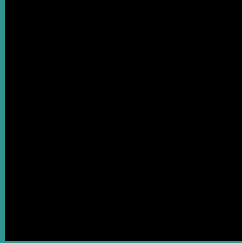
Any Text WCAG AA ✓ Pass

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](#).

RYB 48, 100, 151 Background



This preview shows how black text looks on a background with the RYB color 48, 100, 151.

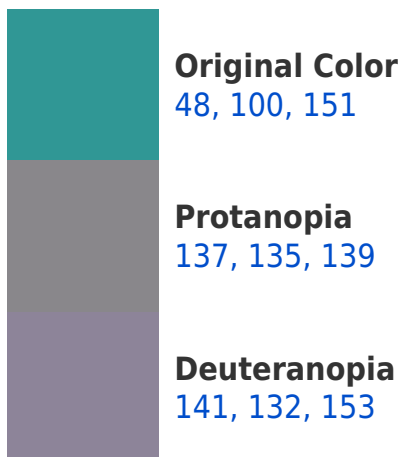


This preview shows how white text looks on a background with the RYB color 48, 100, 151.

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](#).

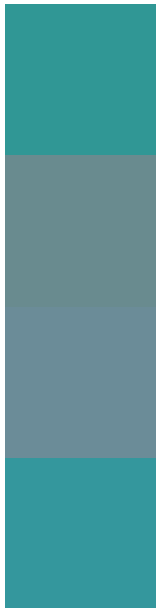
Dichromacy





Tritanopia
55, 105, 161

Trichromacy



Original Color
48, 100, 151

Protanomaly
105, 123, 143

Deuteranomaly
107, 126, 152

Tritanomaly
52, 103, 157

Monochromacy



Original Color
48, 100, 151

Achromatopsia
120, 120, 120

Achromatomaly
94, 113, 131

CSS Examples

Text

The CSS property to change the color of the text to RYB 48, 100, 151 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, 151, 149)` looks like.

```
.text, #text, p{  
    color:rgb(48, 151, 149)  
}
```

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, 151, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 151, 149) }
```

Border

The CSS property to change the border of an element to RYB 48, 100, 151 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, 151, 149) }
```

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

```
.border{ border-color:rgb(48, 151, 149) }
```

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

Here you see how a box with a 4 pixel rgb(48, 151, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 151, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 151, 149);  
box-shadow:4px 4px 4px 4px rgb(48, 151,  
149) }
```

Background

The CSS property to change the background color of an element to RYB 48, 100, 151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 151, 149) }
```

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

```
.background{ background-color: rgb(48, 151,  
149) }
```

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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