

Converting Colors

`RYB(48, 108, 147)`

Have a look what the booklet for
RYB(48, 108, 147) contains.

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Color

R_YB(48, 108, 147)

Conversions

Conversions Part 1

Format	Color
Hex	309370
RGB	48, 147, 112
RGB Percent	19%, 58%, 44%
CMY	0.8118, 0.4235, 0.5594
CMYK	0.67, 0.00, 0.24, 0.42
HSL	159°, 51%, 38%
HSV	159°, 67%, 58%
XYZ	14.5968, 22.6735, 19.0387
YIQ	113.4090, -47.7690, -31.8730

Conversions

Conversions Part 2

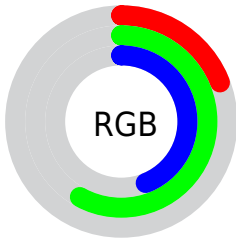
Format	Color
RYB	48, 108, 147
Decimal	3183472
CIELab	54.73, -37.13, 10.12
CIELCh	55, 38.485, 164.757
Yxy	22.6735, 0.2592, 0.4027
Android (android.graphics.Color)	4281373552 (0xFF309370)
YUV	113.4090, -0.6946, -57.3637
Hunter-Lab	47.6167, -28.6103, 9.6256

Details

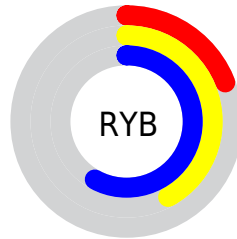
The RYB color **48, 108, 147** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **147, 48, 83**, and the grayscale version is **113, 113, 113**.

A 20% lighter version of the original color is **106, 166, 202**, and **0, 57, 95** is the 20% darker color. If you saturate the color by 10%, you get **33, 102, 147**, and if you desaturate by 10%, it is **63, 114, 147**.

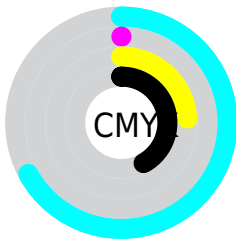
Distribution



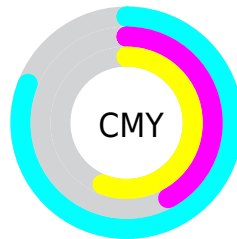
- Red (19%)
- Green (58%)
- Blue (44%)



- Red (19%)
- Yellow (42%)
- Blue (58%)



- Cyan (67%)
- Magenta (0%)
- Yellow (24%)
- Black (42%)



- Cyan (81%)
- Magenta (42%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 48, 108, 147 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, 108, 147 by changing the saturation by 10% instead.



48, 108, 147



48, 108, 147

255, 255, 255



4, 72, 121



106, 166, 202



0, 57, 95



134, 194, 230



0, 45, 71



162, 220, 255



0, 33, 48



191, 225, 255



0, 25, 25



220, 238, 255



0, 0, 0



250, 253, 255



48, 108, 147



48, 108, 147



33, 102, 147



63, 114, 147

■ 19, 97, 147

■ 77, 119, 147

■ 4, 91, 147

■ 92, 125, 147

■ 0, 89, 147

■ 107, 131, 147

■ 122, 137, 147

■ 136, 143, 147

■ 151, 147, 148

■ 166, 147, 154

■ 180, 147, 159

Harmonies

Analogous

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



82, 142, 126



48, 108, 147



0, 74, 148

Triad

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



48, 108, 147



107, 125, 195



187, 119, 86

Complementary

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



48, 108, 147



147, 48, 83

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.



194, 104, 116



48, 108, 147



155, 116, 178

Square

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



48, 108, 147



24, 93, 195



184, 106, 149



141, 166, 66

Rectangle

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



48, 108, 147



0, 78, 168



184, 106, 149



191, 110, 95

Sweetspot

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



48, 108, 147



153, 176, 191



48, 147, 112



74, 88, 97



224, 224, 224



97, 97, 97

Same Dimension

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



48, 108, 147



36, 130, 191



48, 93, 147



67, 71, 74



0, 84, 138



0, 6, 10

Inverse Universe

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



147, 48, 83



191, 36, 91



147, 66, 48



74, 67, 69



138, 0, 48



10, 0, 4

Previews

White Background



This preview shows how the RYB color 48, 108, 147 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, 108, 147 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, 108, 147 Background



This preview shows how black text looks on a background with the RYB color 48, 108, 147.

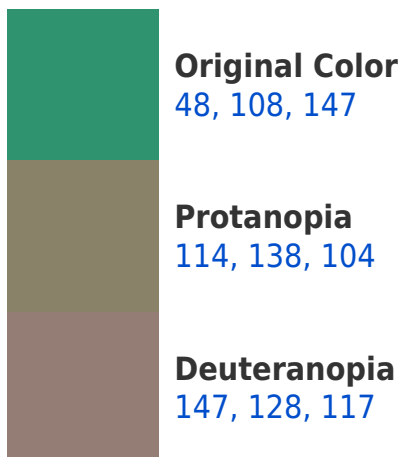


This preview shows how white text looks on a background with the RYB color 48, 108, 147.

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
65, 106, 153

Trichromacy



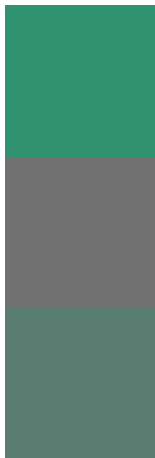
Original Color
48, 108, 147

Protanomaly
105, 134, 136

Deuteranomaly
111, 130, 133

Tritanomaly
59, 103, 144

Monochromacy



Original Color
48, 108, 147

Achromatopsia
113, 113, 113

Achromatomaly
89, 111, 125

CSS Examples

Text

The CSS property to change the color of the text to RYB 48, 108, 147 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, 147, 112)` looks like.

```
.text, #text, p{  
    color:rgb(48, 147, 112)  
}
```

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, 147, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 147, 112) }
```

Border

The CSS property to change the border of an element to RYB 48, 108, 147 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, 147, 112) }
```

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

```
.border{ border-color:rgb(48, 147, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 147, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 147, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 147, 112);  
box-shadow:4px 4px 4px 4px rgb(48, 147,  
112) }
```

Background

The CSS property to change the background color of an element to RYB 48, 108, 147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 147, 112) }
```

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

```
.background{ background-color: rgb(48, 147,  
112) }
```

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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