

Converting Colors

`RYB(48, 119, 137)`

Have a look what the booklet for
RYB(48, 119, 137) contains.

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Color

`RYB(48, 119, 137)`

Conversions

Conversions Part 1

Format	Color
Hex	308947
RGB	48, 137, 71
RGB Percent	19%, 54%, 28%
CMY	0.8118, 0.4627, 0.7233
CMYK	0.65, 0.00, 0.48, 0.46
HSL	135°, 48%, 36%
HSV	135°, 65%, 54%
XYZ	11.2879, 18.9690, 8.9545
YIQ	102.8650, -31.8580, -39.3940

Conversions

Conversions Part 2

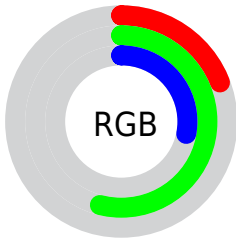
Format	Color
RYB	48, 119, 137
Decimal	3180871
CIELab	50.65, -41.52, 27.94
CIELCh	51, 50.045, 146.060
Yxy	18.9690, 0.2879, 0.4838
Android (android.graphics.Color)	4281370951 (0xFF308947)
YUV	102.8650, -15.7094, -48.1166
Hunter-Lab	43.5535, -29.9559, 18.2975

Details

The RYB color **48, 119, 137** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **137, 48, 114**, and the grayscale version is **103, 103, 103**.

A 20% lighter version of the original color is **104, 177, 191**, and **0, 67, 86** is the 20% darker color. If you saturate the color by 10%, you get **34, 116, 137**, and if you desaturate by 10%, it is **62, 122, 137**.

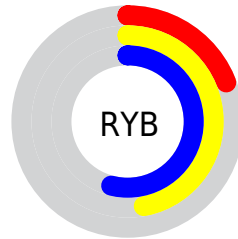
Distribution



Red (19%)

Green (54%)

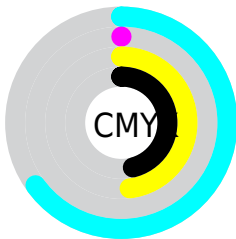
Blue (28%)



Red (19%)

Yellow (47%)

Blue (54%)

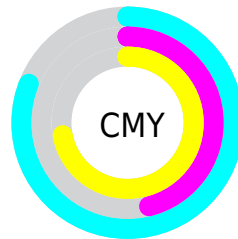


Cyan (65%)

Magenta (0%)

Yellow (48%)

Black (46%)



Cyan (81%)

Magenta (46%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the RYB color 48, 119, 137 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, 119, 137 by changing the saturation by 10% instead.

 48, 119, 137  48, 119, 137

255, 255, 255  10, 84, 111

 104, 177, 191  0, 67, 86

 132, 207, 219  0, 62, 62

 160, 237, 248  0, 41, 41

 188, 244, 255  0, 4, 4

 217, 246, 255  0, 0, 0

 246, 251, 255

 48, 119, 137  48, 119, 137

 34, 116, 137  62, 122, 137

■ 21, 114, 137

■ 75, 124, 137

■ 7, 111, 137

■ 89, 127, 137

■ 0, 109, 137

■ 103, 131, 137

■ 117, 133, 137

■ 130, 135, 137

■ 144, 137, 142

■ 158, 137, 152

■ 171, 137, 163

Harmonies

Analogous

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



37, 129, 60



48, 119, 137



0, 78, 141

Triad

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



48, 119, 137



0, 79, 206



197, 85, 86

Complementary

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



48, 119, 137



137, 48, 114

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, 81, 128



48, 119, 137



111, 112, 198

Square

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



48, 119, 137



0, 80, 191



167, 93, 169



179, 132, 50

Rectangle

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



48, 119, 137



0, 71, 143



167, 93, 169



198, 82, 99

Sweetspot

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



48, 119, 137



145, 173, 179



48, 137, 70



69, 85, 89



217, 217, 217



89, 89, 89

Same Dimension

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



48, 119, 137



39, 150, 179



48, 99, 137



62, 67, 69



0, 106, 133



0, 4, 5

Inverse Universe

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



137, 48, 114



179, 39, 143



137, 48, 70



69, 62, 67



133, 0, 99



5, 0, 4

Previews

White Background



This preview shows how the RYB color 48, 119, 137 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, 119, 137 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, 119, 137 Background



This preview shows how black text looks on a background with the RYB color 48, 119, 137.



This preview shows how white text looks on a background with the RYB color 48, 119, 137.

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



Original Color
48, 119, 137

Protanopia
80, 132, 65

Deuteranopia
130, 144, 76



Tritanopia
69, 102, 140

Trichromacy



Original Color
48, 119, 137

Protanomaly
67, 126, 92

Deuteranomaly
74, 122, 87

Tritanomaly
61, 101, 132

Monochromacy



Original Color
48, 119, 137

Achromatopsia
103, 103, 103

Achromatomaly
83, 109, 115

CSS Examples

Text

The CSS property to change the color of the text to RYB 48, 119, 137 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, 137, 71)` looks like.

```
.text, #text, p{  
    color:rgb(48, 137, 71)  
}
```

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, 137, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 137, 71) }
```

Border

The CSS property to change the border of an element to RYB 48, 119, 137 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, 137, 71) }
```

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

```
.border{ border-color:rgb(48, 137, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 137, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 137, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 137, 71);  
box-shadow:4px 4px 4px 4px rgb(48, 137,  
71) }
```

Background

The CSS property to change the background color of an element to RYB 48, 119, 137 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 137, 71) }
```

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

```
.background{ background-color: rgb(48, 137,  
71) }
```

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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