

Converting Colors

`RYB(47, 115, 121)`

Have a look what the booklet for
RYB(47, 115, 121) contains.

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Color

R_YB(47, 115, 121)

Conversions

Conversions Part 1

Format	Color
Hex	2F7936
RGB	47, 121, 54
RGB Percent	18%, 47%, 21%
CMY	0.8157, 0.5255, 0.7901
CMYK	0.61, 0.00, 0.56, 0.53
HSL	125°, 44%, 33%
HSV	125°, 61%, 47%
XYZ	8.6645, 14.5410, 5.7824
YIQ	91.2360, -22.5970, -36.5250

Conversions

Conversions Part 2

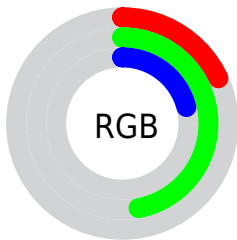
Format	Color
RYB	47, 115, 121
Decimal	3111222
CIELab	45.00, -37.90, 29.99
CIElCh	45, 48.331, 141.640
Yxy	14.5410, 0.2989, 0.5016
Android (android.graphics.Color)	4281301302 (0xFF2F7936)
YUV	91.2360, -18.3573, -38.7950
Hunter-Lab	38.1327, -26.1734, 17.7022

Details

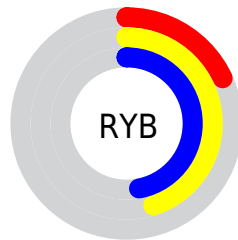
The RYB color **47, 115, 121** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **121, 47, 114**, and the grayscale version is **91, 91, 91**.

A 20% lighter version of the original color is **101, 172, 174**, and **0, 65, 71** is the 20% darker color. If you saturate the color by 10%, you get **35, 115, 121**, and if you desaturate by 10%, it is **59, 116, 121**.

Distribution



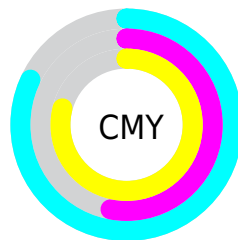
- Red (18%)
- Green (47%)
- Blue (21%)



- Red (18%)
- Yellow (45%)
- Blue (47%)



- Cyan (61%)
- Magenta (0%)
- Yellow (56%)
- Black (53%)



- Cyan (82%)
- Magenta (53%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the RYB color 47, 115, 121 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 47, 115, 121 by changing the saturation by 10% instead.



47, 115, 121



47, 115, 121

255, 255, 255



14, 83, 96



101, 173, 174



0, 65, 71



128, 202, 202



0, 48, 48



154, 230, 229



0, 26, 26



181, 255, 253



0, 0, 0



209, 255, 252



237, 255, 251



47, 115, 121



47, 115, 121



35, 115, 121



59, 116, 121

■ 23, 114, 121

■ 71, 116, 121

■ 11, 113, 121

■ 83, 117, 121

■ 0, 111, 121

■ 95, 118, 121

■ 107, 119, 121

■ 120, 121, 121

■ 132, 121, 131

■ 144, 121, 142

■ 156, 121, 153

Harmonies

Analogous

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



22, 113, 36



47, 115, 121



0, 72, 125

Triad

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



47, 115, 121



0, 71, 186



179, 70, 79

Complementary

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



47, 115, 121



121, 47, 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.



173, 69, 120



47, 115, 121



86, 99, 182

Square

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



47, 115, 121



0, 71, 169



144, 83, 157



165, 104, 44

Rectangle

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



47, 115, 121



0, 64, 126



144, 83, 157



179, 68, 92

Sweetspot

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



47, 115, 121



130, 156, 158



47, 121, 53



62, 78, 79



207, 207, 207



79, 79, 79

Same Dimension

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



47, 115, 121



43, 149, 158



47, 94, 121



55, 60, 61



0, 115, 125



0, 232, 252

Inverse Universe

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



121, 47, 114



158, 43, 148



121, 47, 78



61, 55, 61



125, 0, 114



252, 0, 230

Previews

White Background



This preview shows how the RYB color 47, 115, 121 looks on a white 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

Black Background



This preview shows how the RYB color 47, 115, 121 looks on a black 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

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

RGB 47, 115, 121 Background



This preview shows how black text looks on a background with the RGB color 47, 115, 121.



This preview shows how white text looks on a background with the RGB color 47, 115, 121.

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
47, 115, 121

Protanopia
62, 117, 49

Deuteranopia
106, 129, 59



Tritanopia
65, 92, 123

Trichromacy



Original Color
47, 115, 121

Protanomaly
51, 111, 70

Deuteranomaly
57, 108, 66

Tritanomaly
58, 93, 117

Monochromacy



Original Color
47, 115, 121

Achromatopsia
91, 91, 91

Achromatomaly
75, 100, 102

CSS Examples

Text

The CSS property to change the color of the text to RYB 47, 115, 121 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(47, 121, 54)` looks like.

```
.text, #text, p{  
    color:rgb(47, 121, 54)  
}
```

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(47, 121, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 121, 54) }
```

Border

The CSS property to change the border of an element to RYB 47, 115, 121 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(47, 121, 54) }
```

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

```
.border{ border-color:rgb(47, 121, 54) }
```

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

Here you see how a box with a 4 pixel rgb(47, 121, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 121, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 121, 54);  
box-shadow:4px 4px 4px 4px rgb(47, 121,  
54) }
```

Background

The CSS property to change the background color of an element to RYB 47, 115, 121 is called "background".

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

```
.background, #background, body{  
background: rgb(47, 121, 54) }
```

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

```
.background{ background-color: rgb(47, 121,  
54) }
```

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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