

Converting Colors

`RYB(50, 116, 115)`

Have a look what the booklet for
RYB(50, 116, 115) contains.

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Color

R_YB(50, 116, 115)

Conversions

Conversions Part 1

Format	Color
Hex	337432
RGB	51, 116, 50
RGB Percent	20%, 45%, 20%
CMY	0.8000, 0.5451, 0.8039
CMYK	0.56, 0.00, 0.57, 0.55
HSL	119°, 40%, 33%
HSV	119°, 57%, 45%
XYZ	8.1864, 13.4249, 5.1774
YIQ	89.0410, -17.5540, -34.3060

Conversions

Conversions Part 2

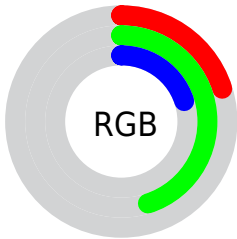
Format	Color
RYB	50, 116, 115
Decimal	3372082
CIELab	43.40, -35.21, 29.95
CIELCh	43, 46.225, 139.613
Yxy	13.4249, 0.3056, 0.5011
Android (android.graphics.Color)	4281562162 (0xFF337432)
YUV	89.0410, -19.2472, -33.3620
Hunter-Lab	36.6400, -24.2383, 17.2700

Details

The RYB color **50, 116, 115** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **115, 50, 116**, and the grayscale version is **89, 89, 89**.

A 20% lighter version of the original color is **98, 169, 163**, and **0, 65, 67** is the 20% darker color. If you saturate the color by 10%, you get **38, 116, 114**, and if you desaturate by 10%, it is **62, 116, 116**.

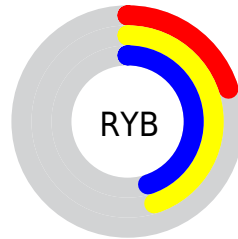
Distribution



Red (20%)

Green (45%)

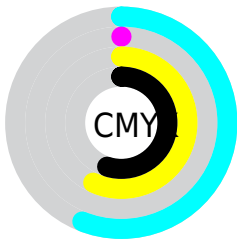
Blue (20%)



Red (20%)

Yellow (45%)

Blue (45%)

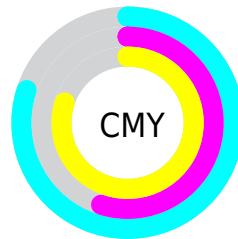


Cyan (56%)

Magenta (0%)

Yellow (57%)

Black (55%)



Cyan (80%)

Magenta (55%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the RYB color 50, 116, 115 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 50, 116, 115 by changing the saturation by 10% instead.

 50, 116, 115  50, 116, 115

255, 255, 255  22, 86, 91

 98, 169, 163  0, 65, 67

 124, 196, 190  0, 44, 44

 150, 224, 217  0, 20, 20

 177, 253, 245  0, 0, 0

 205, 255, 246

 233, 255, 245

 50, 116, 115  50, 116, 115

 38, 116, 114  62, 116, 116

■ 27, 116, 115

■ 73, 116, 115

■ 15, 116, 114

■ 85, 116, 116

■ 4, 116, 115

■ 96, 116, 115

■ 0, 116, 114

■ 108, 116, 116

■ 120, 116, 120

■ 131, 116, 131

■ 142, 116, 143

■ 154, 116, 154

Harmonies

Analogous

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



22, 108, 32



50, 116, 115



0, 70, 120

Triad

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



50, 116, 115



0, 68, 178



172, 68, 79

Complementary

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



50, 116, 115



115, 50, 116

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.



165, 68, 118



50, 116, 115



78, 95, 175

Square

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



50, 116, 115



0, 68, 160



136, 81, 153



160, 95, 45

Rectangle

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



50, 116, 115



0, 62, 121



136, 81, 153



172, 66, 92

Sweetspot

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



50, 116, 115



125, 150, 150



51, 116, 50



61, 77, 77



204, 204, 204



77, 77, 77

Same Dimension

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



50, 116, 115



48, 150, 148



50, 94, 116



53, 59, 59



0, 122, 120



0, 250, 246

Inverse Universe

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



115, 50, 116



149, 48, 150



116, 50, 84



59, 53, 59



121, 0, 122



246, 0, 250

Previews

White Background



This preview shows how the RYB color 50, 116, 115 looks on a white background.

Color Contrast Check

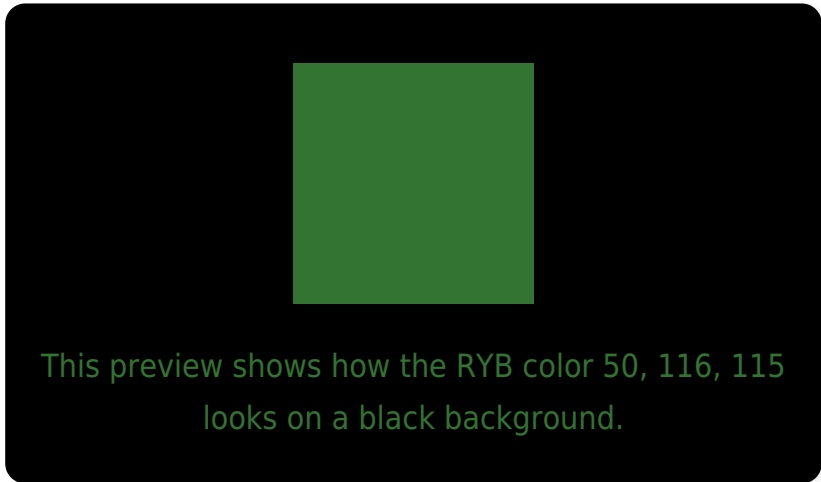
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

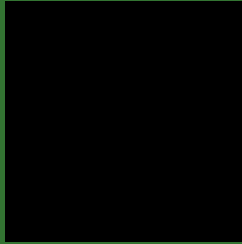
Any Text WCAG AA × Fail

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](#).

RYB 50, 116, 115 Background



This preview shows how black text looks on a background with the RYB color 50, 116, 115.



This preview shows how white text looks on a background with the RYB color 50, 116, 115.

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


50, 116, 115

Protanopia

59, 113, 46

Deuteranopia

102, 125, 55



Tritanopia
66, 90, 118

Trichromacy



Original Color

50, 116, 115

Protanomaly

47, 107, 64

Deuteranomaly

53, 104, 59

Tritanomaly

61, 92, 112

Monochromacy



Original Color

50, 116, 115

Achromatopsia

89, 89, 89

Achromatomaly

75, 99, 99

CSS Examples

Text

The CSS property to change the color of the text to RYB 50, 116, 115 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(51, 116, 50)` looks like.

```
.text, #text, p{  
    color:rgb(51, 116, 50)  
}
```

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(51, 116, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 116, 50) }
```

Border

The CSS property to change the border of an element to RYB 50, 116, 115 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(51, 116, 50) }
```

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

```
.border{ border-color:rgb(51, 116, 50) }
```

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

Here you see how a box with a 4 pixel rgb(51, 116, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 116, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 116, 50);  
box-shadow:4px 4px 4px 4px rgb(51, 116,  
50) }
```

Background

The CSS property to change the background color of an element to RGB 50, 116, 115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 116, 50) }
```

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

```
.background{ background-color: rgb(51, 116,  
50) }
```

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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