

Converting Colors

`RYB(59, 115, 117)`

Have a look what the booklet for
RYB(59, 115, 117) contains.

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Color

R_YB(59, 115, 117)

Conversions

Conversions Part 1

Format	Color
Hex	3B753D
RGB	59, 117, 61
RGB Percent	23%, 46%, 24%
CMY	0.7686, 0.5412, 0.7605
CMYK	0.50, 0.00, 0.48, 0.54
HSL	122°, 33%, 35%
HSV	122°, 50%, 46%
XYZ	9.0092, 13.9901, 6.6505
YIQ	93.2740, -16.5920, -29.7120

Conversions

Conversions Part 2

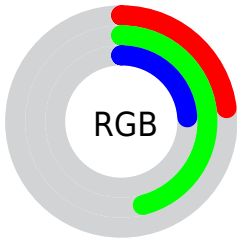
Format	Color
RYB	59, 115, 117
Decimal	3896637
CIELab	44.22, -31.59, 25.06
CIElCh	44, 40.323, 141.573
Yxy	13.9901, 0.3039, 0.4718
Android (android.graphics.Color)	4282086717 (0xFF3B753D)
YUV	93.2740, -15.9111, -30.0583
Hunter-Lab	37.4033, -22.4614, 15.6403

Details

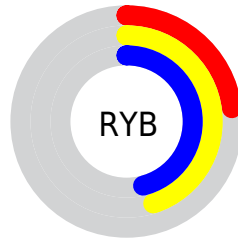
The RYB color **59, 115, 117** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **117, 59, 115**, and the grayscale version is **93, 93, 93**.

A 20% lighter version of the original color is **109, 170, 169**, and **1, 56, 68** is the 20% darker color. If you saturate the color by 10%, you get **47, 114, 117**, and if you desaturate by 10%, it is **71, 116, 117**.

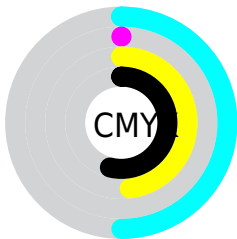
Distribution



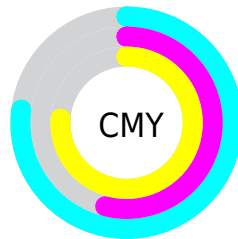
- Red (23%)
- Green (46%)
- Blue (24%)



- Red (23%)
- Yellow (45%)
- Blue (46%)



- Cyan (50%)
- Magenta (0%)
- Yellow (48%)
- Black (54%)



- Cyan (77%)
- Magenta (54%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the RYB color 59, 115, 117 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 59, 115, 117 by changing the saturation by 10% instead.



59, 115, 117



59, 115, 117

255, 255, 255



33, 87, 92



110, 170, 170



1, 56, 68



135, 197, 195



0, 45, 45



162, 225, 223



0, 23, 23



189, 254, 251



0, 0, 0



217, 255, 252



245, 255, 251



59, 115, 117



59, 115, 117



47, 114, 117



71, 116, 117

■ 36, 114, 117

■ 82, 115, 117

■ 24, 114, 117

■ 94, 116, 117

■ 12, 113, 117

■ 106, 117, 117

■ 1, 113, 117

■ 118, 117, 117

■ 0, 113, 117

■ 129, 117, 129

■ 141, 117, 140

■ 153, 117, 151

■ 164, 117, 163

Harmonies

Analogous

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



38, 110, 48



59, 115, 117



0, 68, 121

Triad

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



59, 115, 117



0, 67, 171



166, 77, 82

Complementary

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



59, 115, 117



117, 59, 115

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.



161, 76, 115



59, 115, 117



90, 99, 167

Square

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



59, 115, 117



0, 67, 156



136, 86, 147



155, 104, 53

Rectangle

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



59, 115, 117



0, 62, 121



136, 86, 147



167, 75, 93

Sweetspot

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



59, 115, 117



130, 152, 153



59, 117, 61



63, 77, 77



204, 204, 204



77, 77, 77

Same Dimension

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



59, 115, 117



63, 150, 153



59, 97, 117



53, 59, 59



0, 118, 122



0, 241, 250

Inverse Universe

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



117, 59, 115



153, 63, 150



117, 59, 86



59, 53, 58



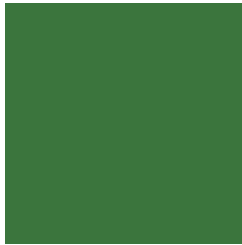
122, 0, 118



250, 0, 241

Previews

White Background



This preview shows how the RYB color 59, 115, 117 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 59, 115, 117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

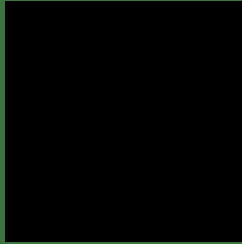
Any Text WCAG AA × Fail

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](#).

RYB 59, 115, 117 Background



This preview shows how black text looks on a background with the RYB color 59, 115, 117.



This preview shows how white text looks on a background with the RYB color 59, 115, 117.

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


[59, 115, 117](#)

Protanopia

[71, 115, 57](#)

Deuteranopia

[113, 126, 65](#)



Tritanopia
72, 93, 119

Trichromacy



Original Color
59, 115, 117

Protanomaly
58, 109, 72

Deuteranomaly
64, 106, 68

Tritanomaly
67, 94, 113

Monochromacy



Original Color
59, 115, 117

Achromatopsia
93, 93, 93

Achromatomaly
81, 102, 102

CSS Examples

Text

The CSS property to change the color of the text to RYB 59, 115, 117 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(59, 117, 61)` looks like.

```
.text, #text, p{  
    color:rgb(59, 117, 61)  
}
```

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(59, 117, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 117, 61) }
```

Border

The CSS property to change the border of an element to RYB 59, 115, 117 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(59, 117, 61) }
```

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

```
.border{ border-color:rgb(59, 117, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 117, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 117, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 117, 61);  
box-shadow:4px 4px 4px 4px rgb(59, 117,  
61) }
```

Background

The CSS property to change the background color of an element to RYB 59, 115, 117 is called "background".

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

```
.background, #background, body{  
background: rgb(59, 117, 61) }
```

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

```
.background{ background-color: rgb(59, 117,  
61) }
```

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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