

Converting Colors

`RYB(90, 116, 111)`

Have a look what the booklet for
RYB(90, 116, 111) contains.

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Color

$\text{RYB}(90, 116, 111)$

Conversions

Conversions Part 1

Format	Color
Hex	5F745A
RGB	95, 116, 90
RGB Percent	37%, 45%, 35%
CMY	0.6275, 0.5451, 0.6471
CMYK	0.18, 0.00, 0.22, 0.55
HSL	108°, 13%, 40%
HSV	108°, 22%, 45%
XYZ	12.8102, 15.6619, 12.0207
YIQ	106.7570, -4.1700, -12.5380

Conversions

Conversions Part 2

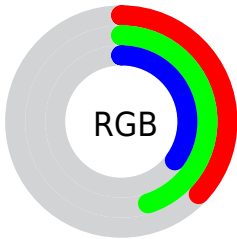
Format	Color
RYB	90, 116, 111
Decimal	6255706
CIELab	46.53, -13.16, 11.86
CIElCh	47, 17.717, 137.972
Yxy	15.6619, 0.3164, 0.3868
Android (android.graphics.Color)	4284445786 (0xFF5F745A)
YUV	106.7570, -8.2612, -10.3109
Hunter-Lab	39.5751, -11.4772, 9.6935

Details

The RYB color **90, 116, 111** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **111, 90, 116**, and the grayscale version is **107, 107, 107**.

A 20% lighter version of the original color is **140, 168, 162**, and **44, 68, 64** is the 20% darker color. If you saturate the color by 10%, you get **78, 116, 108**, and if you desaturate by 10%, it is **102, 116, 114**.

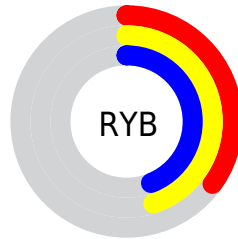
Distribution



Red (37%)

Green (45%)

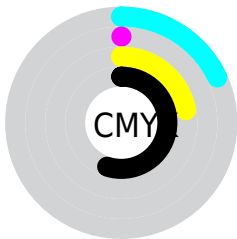
Blue (35%)



Red (35%)

Yellow (45%)

Blue (44%)

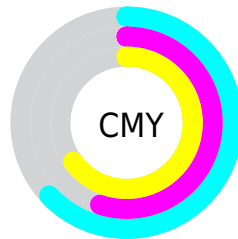


Cyan (18%)

Magenta (0%)

Yellow (22%)

Black (55%)



Cyan (63%)

Magenta (55%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the RYB color 90, 116, 111 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 90, 116, 111 by changing the saturation by 10% instead.



90, 116, 111



90, 116, 111

255, 255, 255



66, 91, 86



140, 168, 162



44, 68, 64



167, 195, 190



23, 45, 41



194, 223, 217



0, 25, 23



222, 252, 246



0, 0, 0



250, 255, 250



90, 116, 111



90, 116, 111



78, 116, 108



102, 116, 114



67, 116, 107



113, 116, 115

■ 55, 116, 104

■ 123, 116, 125

■ 44, 116, 102

■ 132, 116, 136

■ 32, 116, 100

■ 142, 116, 148

■ 20, 116, 97

■ 151, 116, 160

■ 9, 116, 96

■ 161, 116, 171

■ 0, 116, 94

■ 170, 116, 183

■ 179, 116, 194

Harmonies

Analogous

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



82, 112, 82



90, 116, 111



79, 103, 118

Triad

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



90, 116, 111



84, 103, 139



141, 100, 102

Complementary

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



90, 116, 111



111, 90, 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.



136, 100, 117



90, 116, 111



105, 109, 138

Square

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



90, 116, 111



70, 97, 132



123, 104, 130



137, 109, 89

Rectangle

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



90, 116, 111



71, 96, 119



123, 104, 130



140, 100, 107

Sweetspot

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



90, 116, 111



140, 150, 148



96, 116, 90



70, 77, 75



204, 204, 204



77, 77, 77

Same Dimension

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



90, 116, 111



110, 150, 142



90, 110, 116



53, 59, 58



0, 122, 98



0, 250, 202

Inverse Universe

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



111, 90, 116



143, 110, 150



116, 90, 108



58, 53, 59



99, 0, 122



202, 0, 250

Previews

White Background



This preview shows how the RYB color 90, 116, 111 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 90, 116, 111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

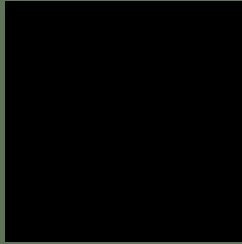
Any Text WCAG AA × Fail

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 90, 116, 111 Background



This preview shows how black text looks on a background with the RYB color 90, 116, 111.



This preview shows how white text looks on a background with the RYB color 90, 116, 111.

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

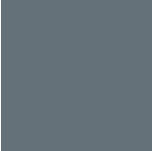
90, 116, 111

Protanopia

96, 117, 87

Deuteranopia

127, 115, 92



Tritanopia
100, 108, 121

Trichromacy



Original Color

90, 116, 111

Protanomaly

88, 112, 91

Deuteranomaly

97, 115, 91

Tritanomaly

98, 106, 113

Monochromacy



Original Color

90, 116, 111

Achromatopsia

107, 107, 107

Achromatomaly

101, 110, 108

CSS Examples

Text

The CSS property to change the color of the text to RYB 90, 116, 111 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(95, 116, 90)` looks like.

```
.text, #text, p{  
    color:rgb(95, 116, 90)  
}
```

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(95, 116, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 116, 90) }
```

Border

The CSS property to change the border of an element to RYB 90, 116, 111 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(95, 116, 90) }
```

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

```
.border{ border-color:rgb(95, 116, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 116, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 116, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 116, 90);  
box-shadow:4px 4px 4px 4px rgb(95, 116,  
90) }
```

Background

The CSS property to change the background color of an element to RYB 90, 116, 111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 116, 90) }
```

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

```
.background{ background-color: rgb(95, 116,  
90) }
```

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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