

Converting Colors

`RYB(87, 117, 101)`

Have a look what the booklet for
RYB(87, 117, 101) contains.

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Color

R_YB(87, 117, 101)

Conversions

Conversions Part 1

Format	Color
Hex	677557
RGB	103, 117, 87
RGB Percent	40%, 46%, 34%
CMY	0.5961, 0.5412, 0.6588
CMYK	0.12, 0.00, 0.26, 0.54
HSL	88°, 15%, 40%
HSV	88°, 26%, 46%
XYZ	13.6751, 16.2943, 11.4412
YIQ	109.3940, 1.2860, -12.2980

Conversions

Conversions Part 2

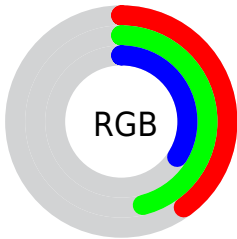
Format	Color
RYB	87, 117, 101
Decimal	6780247
CIELab	47.36, -11.10, 14.86
CIELCh	47, 18.547, 126.747
Yxy	16.2943, 0.3302, 0.3935
Android (android.graphics.Color)	4284970327 (0xFF677557)
YUV	109.3940, -11.0402, -5.6075
Hunter-Lab	40.3662, -10.1691, 11.4515

Details

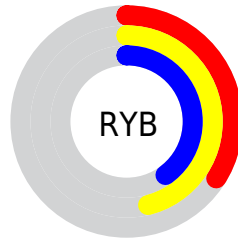
The RYB color **87, 117, 101** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **101, 87, 117**, and the grayscale version is **110, 110, 110**.

A 20% lighter version of the original color is **137, 169, 152**, and **41, 69, 54** is the 20% darker color. If you saturate the color by 10%, you get **75, 117, 94**, and if you desaturate by 10%, it is **99, 117, 108**.

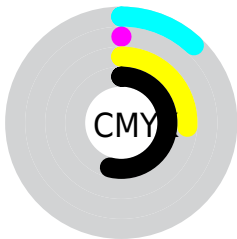
Distribution



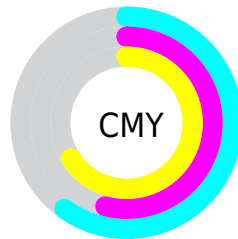
- Red (40%)
- Green (46%)
- Blue (34%)



- Red (34%)
- Yellow (46%)
- Blue (40%)



- Cyan (12%)
- Magenta (0%)
- Yellow (26%)
- Black (54%)



- Cyan (60%)
- Magenta (54%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the RYB color 87, 117, 101 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 87, 117, 101 by changing the saturation by 10% instead.



87, 117, 101



87, 117, 101

255, 255, 255



64, 92, 77



137, 169, 152



41, 69, 54



163, 196, 178



21, 46, 33



190, 224, 205



0, 26, 14



218, 253, 234



0, 0, 0



247, 255, 247



87, 117, 101



87, 117, 101



75, 117, 94



99, 117, 108



64, 117, 89



110, 117, 113

■ 52, 117, 82

■ 119, 117, 122

■ 40, 117, 76

■ 125, 117, 134

■ 29, 117, 70

■ 130, 117, 146

■ 17, 117, 64

■ 136, 117, 157

■ 5, 117, 57

■ 141, 117, 169

■ 0, 117, 55

■ 147, 117, 181

■ 152, 117, 192

Harmonies

Analogous

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



91, 120, 81



87, 117, 101



85, 110, 120

Triad

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



87, 117, 101



78, 102, 141



143, 101, 109

Complementary

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



87, 117, 101



101, 87, 117

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.



135, 103, 125



87, 117, 101



98, 109, 143

Square

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



87, 117, 101



67, 96, 130



119, 107, 137



143, 105, 94

Rectangle

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



87, 117, 101



75, 101, 121



119, 107, 137



142, 101, 115

Sweetspot

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



87, 117, 101



141, 153, 147



117, 113, 87



69, 77, 73



204, 204, 204



77, 77, 77

Same Dimension

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



87, 117, 101



106, 153, 128



87, 117, 116



53, 59, 56



0, 122, 57



0, 250, 117

Inverse Universe

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



101, 87, 117



128, 106, 153



116, 87, 117



56, 53, 59



57, 0, 122



117, 0, 250

Previews

White Background



This preview shows how the RYB color 87, 117, 101 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 87, 117, 101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

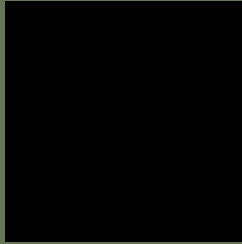
Any Text WCAG AA × Fail

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](#).

R Y B 87, 117, 101 Background



This preview shows how black text looks on a background with the R Y B color 87, 117, 101.



This preview shows how white text looks on a background with the R Y B color 87, 117, 101.

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


87, 117, 101

Protanopia

95, 120, 85

Deuteranopia

131, 124, 89



Tritanopia
108, 111, 121

Trichromacy



Original Color

87, 117, 101

Protanomaly

86, 114, 86

Deuteranomaly

102, 121, 88

Tritanomaly

106, 112, 114

Monochromacy



Original Color

87, 117, 101

Achromatopsia

109, 109, 109

Achromatomaly

101, 112, 106

CSS Examples

Text

The CSS property to change the color of the text to RYB 87, 117, 101 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(103, 117, 87)` looks like.

```
.text, #text, p{  
    color:rgb(103, 117, 87)  
}
```

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(103, 117, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 117, 87) }
```

Border

The CSS property to change the border of an element to RYB 87, 117, 101 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(103, 117, 87) }
```

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

```
.border{ border-color:rgb(103, 117, 87) }
```

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

Here you see how a box with a 4 pixel rgb(103, 117, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 117, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 117, 87);  
box-shadow:4px 4px 4px 4px rgb(103, 117,  
87) }
```

Background

The CSS property to change the background color of an element to RGB 87, 117, 101 is called "background".

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

```
.background, #background, body{  
background: rgb(103, 117, 87) }
```

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

```
.background{ background-color: rgb(103,  
117, 87) }
```

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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