

Converting Colors

`RYB(117, 107, 93)`

Have a look what the booklet for
RYB(117, 107, 93) contains.

RYB(117, 107, 93)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(117, 107, 93)

Conversions

Conversions Part 1

Format	Color
Hex	75665D
RGB	117, 102, 93
RGB Percent	46%, 40%, 36%
CMY	0.5412, 0.6006, 0.6353
CMYK	0.00, 0.13, 0.21, 0.54
HSL	22°, 11%, 41%
HSV	22°, 21%, 46%
XYZ	14.0478, 14.0440, 12.3263
YIQ	105.4590, 11.8290, 0.3810

Conversions

Conversions Part 2

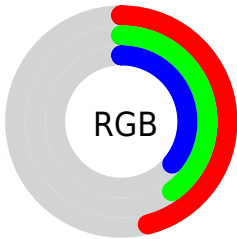
Format	Color
R_{YB}	117, 107, 93
Decimal	7693917
CIE Lab	44.30, 4.46, 7.21
CIE LCh	44, 8.477, 58.239
Yxy	14.0440, 0.3476, 0.3475
Android (android.graphics.Color)	4285883997 (0xFF75665D)
YUV	105.4590, -6.1423, 10.1215
Hunter-Lab	37.4753, 1.3298, 6.7312

Details

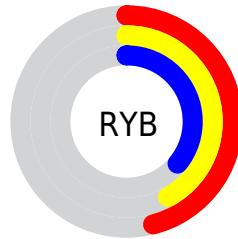
The RYB color **117, 107, 93** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **93, 102, 117**, and the grayscale version is **105, 105, 105**.

A 20% lighter version of the original color is **169, 159, 143**, and **68, 60, 47** is the 20% darker color. If you saturate the color by 10%, you get **117, 101, 81**, and if you desaturate by 10%, it is **117, 111, 105**.

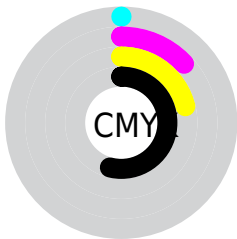
Distribution



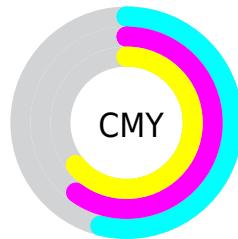
- Red (46%)
- Green (40%)
- Blue (36%)



- Red (46%)
- Yellow (42%)
- Blue (36%)



- Cyan (0%)
- Magenta (13%)
- Yellow (21%)
- Black (54%)



- Cyan (54%)
- Magenta (60%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the RYB color 117, 107, 93 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 117, 107, 93 by changing the saturation by 10% instead.



117, 107, 93



117, 107, 93

255, 255, 255



92, 84, 69



169, 159, 143



68, 60, 47



197, 186, 170



46, 39, 26



225, 213, 197



27, 19, 0



253, 241, 225



0, 0, 0

254, 255, 254



117, 107, 93



117, 107, 93



117, 101, 81



117, 111, 105



117, 97, 70



116, 117, 116

■ 117, 93, 58

■ 117, 121, 128

■ 117, 87, 46

■ 117, 126, 140

■ 117, 82, 35

■ 117, 131, 152

■ 117, 79, 23

■ 117, 135, 163

■ 117, 73, 11

■ 117, 140, 175

■ 117, 68, 0

■ 117, 144, 187

■ 117, 148, 198

Harmonies

Analogous

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



120, 100, 98



117, 107, 93



102, 111, 91

Triad

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



117, 107, 93



89, 100, 109



106, 103, 117

Complementary

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



117, 107, 93



93, 102, 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.



97, 103, 119



117, 107, 93



87, 98, 111

Square

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



117, 107, 93



95, 106, 108



90, 100, 116



114, 101, 112

Rectangle

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



117, 107, 93



91, 106, 91



90, 100, 116



103, 104, 118

Sweetspot

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



117, 107, 93



153, 149, 144



117, 93, 108



77, 74, 71



204, 204, 204



77, 77, 77

Same Dimension

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



117, 107, 93



153, 137, 115



96, 117, 93



59, 56, 53



122, 71, 0



250, 146, 0

Inverse Universe

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



93, 102, 117



115, 130, 153



93, 96, 117



53, 55, 59



0, 47, 122



0, 97, 250

Previews

White Background



This preview shows how the RYB color 117, 107, 93 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 117, 107, 93 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

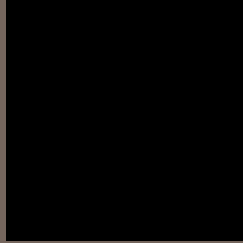
Any Text WCAG AA × Fail

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 117, 107, 93 Background



This preview shows how black text looks on a background with the RYB color 117, 107, 93.



This preview shows how white text looks on a background with the RYB color 117, 107, 93.

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

117, 107, 93

Protanopia

102, 109, 94

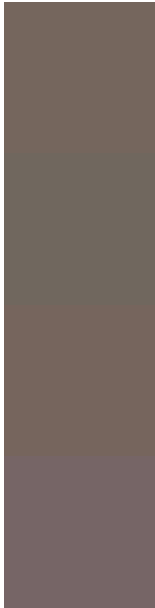
Deuteranopia

119, 105, 93



Tritanopia
119, 100, 107

Trichromacy



Original Color

117, 107, 93

Protanomaly

112, 112, 94

Deuteranomaly

118, 105, 93

Tritanomaly

118, 101, 102

Monochromacy



Original Color

117, 107, 93

Achromatopsia

105, 105, 105

Achromatomaly

109, 106, 101

CSS Examples

Text

The CSS property to change the color of the text to RYB 117, 107, 93 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(117, 102, 93) looks like.

```
.text, #text, p{  
    color:rgb(117, 102, 93)  
}
```

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(117, 102, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 102, 93) }
```

Border

The CSS property to change the border of an element to RYB 117, 107, 93 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(117, 102, 93) }
```

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

```
.border{ border-color:rgb(117, 102, 93) }
```

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

Here you see how a box with a 4 pixel rgb(117, 102, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 102, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 102, 93);  
box-shadow:4px 4px 4px 4px rgb(117, 102,  
93) }
```

Background

The CSS property to change the background color of an element to RYB 117, 107, 93 is called "background".

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

```
.background, #background, body{  
background: rgb(117, 102, 93) }
```

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

```
.background{ background-color: rgb(117,  
102, 93) }
```

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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