

Converting Colors

`RYB(117, 145, 118)`

Have a look what the booklet for
RYB(117, 145, 118) contains.

RYB(117, 145, 118)	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, 145, 118)

Conversions

Conversions Part 1

Format	Color
Hex	909175
RGB	144, 145, 117
RGB Percent	56%, 57%, 46%
CMY	0.4353, 0.4314, 0.5412
CMYK	0.01, 0.00, 0.19, 0.43
HSL	62°, 11%, 51%
HSV	62°, 19%, 57%
XYZ	24.8379, 27.4644, 20.8217
YIQ	141.5090, 8.3920, -8.9200

Conversions

Conversions Part 2

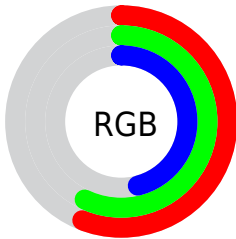
Format	Color
R_{YB}	117, 145, 118
Decimal	9474421
CIE _{Lab}	59.40, -5.34, 14.78
CIE _{LCh}	59, 15.714, 109.876
Yxy	27.4644, 0.3397, 0.3756
Android (android.graphics.Color)	4287664501 (0xFF909175)
YUV	141.5090, -12.0829, 2.1846
Hunter-Lab	52.4065, -7.1120, 13.1280

Details

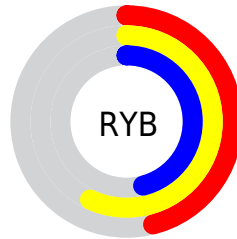
The RYB color **117, 145, 118** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **118, 117, 145**, and the grayscale version is **142, 142, 142**.

A 20% lighter version of the original color is **169, 199, 170**, and **69, 95, 71** is the 20% darker color. If you saturate the color by 10%, you get **102, 145, 104**, and if you desaturate by 10%, it is **132, 145, 132**.

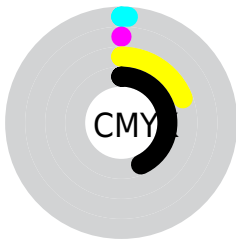
Distribution



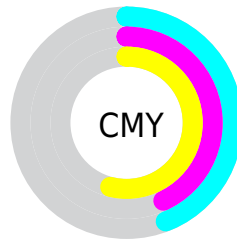
- Red (56%)
- Green (57%)
- Blue (46%)



- Red (46%)
- Yellow (57%)
- Blue (46%)



- Cyan (1%)
- Magenta (0%)
- Yellow (19%)
- Black (43%)



- Cyan (44%)
- Magenta (43%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 117, 145, 118 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, 145, 118 by changing the saturation by 10% instead.

 117, 145, 118

255, 255, 255

 169, 199, 170


 196, 227, 197

 224, 255, 224


253, 255, 253

 117, 145, 118

 102, 145, 104

 88, 145, 90

 117, 145, 118

 92, 119, 93

 69, 95, 71

 46, 71, 47

 25, 49, 27

 0, 28, 1

 0, 0, 0

 117, 145, 118

 132, 145, 132

 145, 145, 146

■ 74, 145, 77

■ 146, 145, 161

■ 59, 145, 62

■ 146, 145, 175

■ 45, 145, 49

■ 147, 145, 190

■ 30, 145, 34

■ 147, 145, 204

■ 15, 145, 20

■ 148, 145, 219

■ 1, 145, 6

■ 148, 145, 233

■ 0, 145, 5

■ 149, 145, 248

Harmonies

Analogous

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



148, 158, 116



117, 145, 118



125, 149, 146

Triad

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



117, 145, 118



109, 132, 164



168, 134, 148

Complementary

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



117, 145, 118



118, 117, 145

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.



156, 137, 161



117, 145, 118



122, 138, 170

Square

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



117, 145, 118



106, 129, 152



139, 141, 169



172, 134, 134

Rectangle

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



117, 145, 118



118, 140, 150



139, 141, 169



165, 134, 153

Sweetspot

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



117, 145, 118



177, 189, 178



145, 118, 117



88, 94, 88



222, 222, 222



94, 94, 94

Same Dimension

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



117, 145, 118



145, 189, 147



117, 145, 132



64, 71, 64



0, 135, 5



0, 8, 1

Inverse Universe

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



118, 117, 145



147, 145, 189



132, 117, 145



65, 64, 71



5, 0, 135



0, 0, 8

Previews

White Background



This preview shows how the RYB color 117, 145, 118 looks on a white 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

Black Background



This preview shows how the RYB color 117, 145, 118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

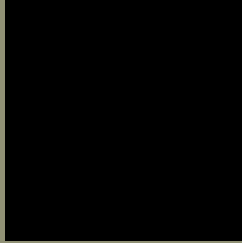
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

R Y B 117, 145, 118 Background



This preview shows how black text looks on a background with the R Y B color 117, 145, 118.



This preview shows how white text looks on a background with the R Y B color 117, 145, 118.

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, 145, 118

Protanopia
128, 152, 116

Deuteranopia
165, 149, 119



Tritanopia
149, 140, 151

Trichromacy



Original Color

117, 145, 118

Protanomaly

122, 149, 116

Deuteranomaly

148, 157, 118

Tritanomaly

147, 144, 139

Monochromacy



Original Color

117, 145, 118

Achromatopsia

142, 142, 142

Achromatomaly

133, 143, 133

CSS Examples

Text

The CSS property to change the color of the text to RYB 117, 145, 118 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(144, 145, 117)` looks like.

```
.text, #text, p{  
    color:rgb(144, 145, 117)  
}
```

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(144, 145, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 145, 117) }
```

Border

The CSS property to change the border of an element to RYB 117, 145, 118 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(144, 145, 117) }
```

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

```
.border{ border-color:rgb(144, 145, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 145, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 145, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 145, 117);  
box-shadow:4px 4px 4px 4px rgb(144, 145,  
117) }
```

Background

The CSS property to change the background color of an element to RYB 117, 145, 118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 145, 117) }
```

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

```
.background{ background-color: rgb(144,  
145, 117) }
```

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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