

Converting Colors

`RYB(117, 165, 164)`

Have a look what the booklet for
RYB(117, 165, 164) contains.

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Color

R_YB(117, 165, 164)

Conversions

Conversions Part 1

Format	Color
Hex	76A575
RGB	118, 165, 117
RGB Percent	46%, 65%, 46%
CMY	0.5373, 0.3529, 0.5412
CMYK	0.28, 0.00, 0.29, 0.35
HSL	119°, 21%, 55%
HSV	119°, 29%, 65%
XYZ	24.1372, 32.0462, 21.7430
YIQ	145.4750, -12.6040, -24.8920

Conversions

Conversions Part 2

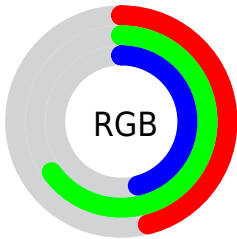
Format	Color
RYB	117, 165, 164
Decimal	7775605
CIELab	63.38, -25.53, 19.96
CIElCh	63, 32.408, 141.975
Yxy	32.0462, 0.3097, 0.4112
Android (android.graphics.Color)	4285965685 (0xFF76A575)
YUV	145.4750, -14.0382, -24.0956
Hunter-Lab	56.6093, -22.9571, 16.8539

Details

The RYB color **117, 165, 164** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **164, 117, 165**, and the grayscale version is **146, 146, 146**.

A 20% lighter version of the original color is **169, 220, 218**, and **68, 113, 113** is the 20% darker color. If you saturate the color by 10%, you get **101, 165, 164**, and if you desaturate by 10%, it is **133, 165, 164**.

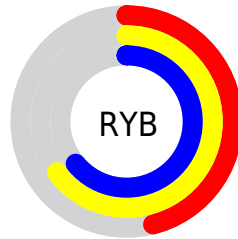
Distribution



Red (46%)

Green (65%)

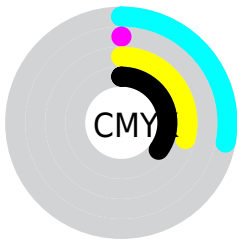
Blue (46%)



Red (46%)

Yellow (65%)

Blue (64%)

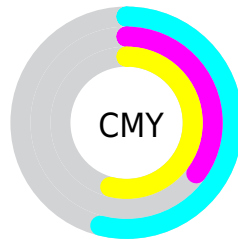


Cyan (28%)

Magenta (0%)

Yellow (29%)

Black (35%)



Cyan (54%)

Magenta (35%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 117, 165, 164 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, 165, 164 by changing the saturation by 10% instead.

 117, 165, 164


255, 255, 255


 169, 220, 218

 197, 249, 247


 225, 255, 253


253, 255, 253

 117, 165, 164

 101, 165, 164

 117, 165, 164

 92, 139, 139

 68, 113, 113


 43, 85, 88

 19, 60, 64


 0, 42, 42


 0, 20, 20


 0, 0, 0


 117, 165, 164


 133, 165, 164

 84, 165, 163


 150, 165, 165


 67, 165, 162


 166, 165, 166

 51, 165, 163

 183, 165, 183


 35, 165, 163

 199, 165, 199

 18, 165, 162

 215, 165, 216

 1, 165, 161

 231, 165, 233

 0, 165, 162

 247, 165, 249

 255, 165, 255

Harmonies

Analogous

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



99, 158, 106



117, 165, 164



82, 133, 169

Triad

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



117, 165, 164



100, 138, 210



210, 132, 133

Complementary

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



117, 165, 164



164, 117, 165

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.



205, 132, 162



117, 165, 164



146, 149, 207

Square

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



117, 165, 164



57, 118, 198



182, 139, 189



201, 154, 109

Rectangle

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



117, 165, 164



59, 115, 169



182, 139, 189



210, 131, 143

Sweetspot

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



117, 165, 164



195, 214, 214



119, 165, 117



95, 107, 106



235, 235, 235



107, 107, 107

Same Dimension

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



117, 165, 164



139, 214, 212



117, 150, 165



73, 82, 81



0, 145, 142



0, 18, 18

Inverse Universe

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



164, 117, 165



213, 139, 214



165, 117, 143



81, 73, 82



142, 0, 145



17, 0, 18

Previews

White Background



This preview shows how the RYB color 117, 165, 164 looks on a white background.

Color Contrast Check

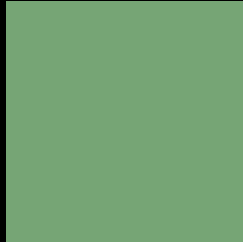
Large Text (above 18pt) WCAG AA × Fail

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, 165, 164 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 ✓ Pass

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

RYB 117, 165, 164 Background



This preview shows how black text looks on a background with the RYB color 117, 165, 164.



This preview shows how white text looks on a background with the RYB color 117, 165, 164.

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, 165, 164

Protanopia
126, 164, 112

Deuteranopia
178, 169, 121



Tritanopia
128, 146, 171

Trichromacy



Original Color
117, 165, 164

Protanomaly
114, 157, 124

Deuteranomaly
122, 156, 120

Tritanomaly
124, 145, 161

Monochromacy



Original Color
117, 165, 164

Achromatopsia
145, 145, 145

Achromatomaly
135, 152, 152

CSS Examples

Text

The CSS property to change the color of the text to RYB 117, 165, 164 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(118, 165, 117)` looks like.

```
.text, #text, p{  
    color:rgb(118, 165, 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(118, 165, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 165, 117) }
```

Border

The CSS property to change the border of an element to RYB 117, 165, 164 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(118, 165, 117) }
```

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

```
.border{ border-color:rgb(118, 165, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 165, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 165, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 165, 117);  
box-shadow:4px 4px 4px 4px rgb(118, 165,  
117) }
```

Background

The CSS property to change the background color of an element to RYB 117, 165, 164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 165, 117) }
```

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

```
.background{ background-color: rgb(118,  
165, 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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