

Converting Colors

RGB(117, 189, 113)

Have a look what the booklet for
RGB(117, 189, 113) contains.

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Color

RGB(117, 189, 113)

Conversions

Conversions Part 1

Format	Color
Hex	75BD71
RGB	117, 189, 113
RGB Percent	46%, 74%, 44%
CMY	0.5412, 0.2588, 0.5569
CMYK	0.38, 0.00, 0.40, 0.26
HSL	117°, 37%, 59%
HSV	117°, 40%, 74%
XYZ	28.5144, 41.3694, 22.1050
YIQ	158.8080, -18.5160, -38.9000

Conversions

Conversions Part 2

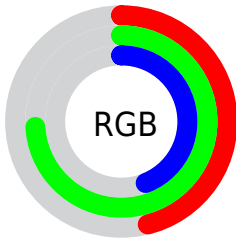
Format	Color
RYB	113, 189, 185
Decimal	7716209
CIELab	70.43, -37.84, 31.48
CIELCh	70, 49.223, 140.246
Yxy	41.3694, 0.3100, 0.4497
Android (android.graphics.Color)	4285906289 (0xFF75BD71)
YUV	158.8080, -22.5833, -36.6656
Hunter-Lab	64.3190, -33.4244, 24.6467

Details

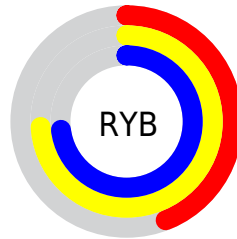
The RGB color **117, 189, 113** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **185, 113, 189**, and the grayscale version is **159, 159, 159**.

A 20% lighter version of the original color is **172, 246, 166**, and **64, 135, 64** is the 20% darker color. If you saturate the color by 10%, you get **99, 189, 94**, and if you desaturate by 10%, it is **135, 189, 132**.

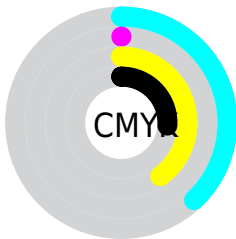
Distribution



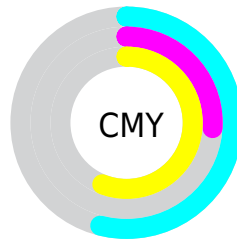
- Red (46%)
- Green (74%)
- Blue (44%)



- Red (44%)
- Yellow (74%)
- Blue (73%)



- Cyan (38%)
- Magenta (0%)
- Yellow (40%)
- Black (26%)



- Cyan (54%)
- Magenta (26%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RGB color 117, 189, 113 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 RGB color 117, 189, 113 by changing the saturation by 10% instead.

 117, 189, 113


255, 255, 255

 172, 246, 166


 200, 255, 193

 229, 255, 221

 255, 255, 250

 117, 189, 113

 90, 162, 88

 64, 135, 64

 35, 109, 40

 0, 84, 16


 0, 60, 0

 0, 39, 0

 0, 3, 0

 0, 0, 0

 117, 189, 113

 117, 189, 113

■ 99, 189, 94

■ 135, 189, 132

■ 81, 189, 75

■ 153, 189, 151

■ 63, 189, 56

■ 171, 189, 170

■ 45, 189, 37

■ 189, 189, 189

■ 27, 189, 18

■ 207, 189, 208

■ 10, 189, 0

■ 224, 189, 226

■ 242, 189, 245

■ 255, 189, 255

Harmonies

Analogous

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



169, 179, 85



117, 189, 113



31, 194, 156

Triad

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



117, 189, 113



50, 181, 255



255, 136, 144

Complementary

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



117, 189, 113



185, 113, 189

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.



248, 136, 189



117, 189, 113



153, 166, 255

Square

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



117, 189, 113



0, 191, 240



213, 149, 230



243, 148, 105

Rectangle

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



117, 189, 113



0, 195, 187



213, 149, 230



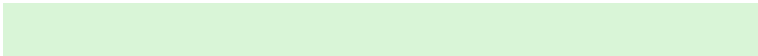
255, 135, 158

Sweetspot

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



117, 189, 113



217, 245, 215



189, 184, 113



106, 122, 105



250, 250, 250



122, 122, 122

Same Dimension

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



117, 189, 113



133, 245, 127



113, 189, 146



85, 94, 85



8, 158, 0



2, 31, 0

Inverse Universe

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



185, 113, 189



239, 127, 245



189, 113, 156



94, 85, 94



150, 0, 158



29, 0, 31

Previews

White Background



This preview shows how the RGB color 117, 189, 113 looks on a white background.

Color Contrast Check

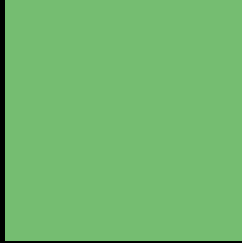
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 117, 189, 113 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](#).

RGB 117, 189, 113 Background



This preview shows how black text looks on a background with the RGB color 117, 189, 113.

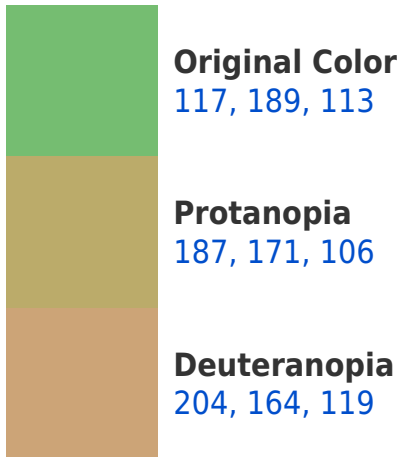


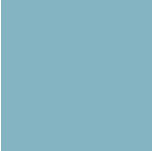
This preview shows how white text looks on a background with the RGB color 117, 189, 113.

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





Tritanopia
132, 179, 194

Trichromacy



Original Color
117, 189, 113

Protanomaly
162, 178, 109

Deuteranomaly
172, 173, 117

Tritanomaly
127, 183, 165

Monochromacy



Original Color
117, 189, 113

Achromatopsia
159, 159, 159

Achromatomaly
144, 170, 142

CSS Examples

Text

The CSS property to change the color of the text to RGB 117, 189, 113 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, 189, 113)` looks like.

```
.text, #text, p{  
    color:rgb(117, 189, 113)  
}
```

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, 189, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 189, 113) }
```

Border

The CSS property to change the border of an element to RGB 117, 189, 113 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, 189, 113) }
```

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

```
.border{ border-color:rgb(117, 189, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 189, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 189, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 189, 113);  
box-shadow:4px 4px 4px 4px rgb(117, 189,  
113) }
```

Background

The CSS property to change the background color of an element to RGB 117, 189, 113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 189, 113) }
```

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

```
.background{ background-color: rgb(117,  
189, 113) }
```

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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