

Converting Colors

RGB(133, 186, 54)

Have a look what the booklet for
RGB(133, 186, 54) contains.

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Color

RGB(133, 186, 54)

Conversions

Conversions Part 1

Format	Color
Hex	85BA36
RGB	133, 186, 54
RGB Percent	52%, 73%, 21%
CMY	0.4784, 0.2706, 0.7882
CMYK	0.28, 0.00, 0.71, 0.27
HSL	84°, 55%, 47%
HSV	84°, 71%, 73%
XYZ	27.8976, 40.3707, 9.8120
YIQ	155.1050, 10.7840, -52.2880

Conversions

Conversions Part 2

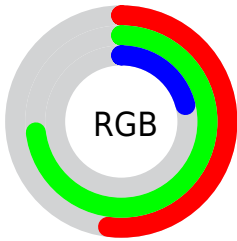
Format	Color
RYB	54, 186, 107
Decimal	8763958
CIELab	69.73, -37.25, 58.15
CIELCh	70, 69.057, 122.644
Yxy	40.3707, 0.3573, 0.5170
Android (android.graphics.Color)	4286954038 (0xFF85BA36)
YUV	155.1050, -49.8448, -19.3861
Hunter-Lab	63.5379, -32.8173, 35.3206

Details

The RGB color **133, 186, 54** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **107, 54, 186**, and the grayscale version is **156, 156, 156**.

A 20% lighter version of the original color is **190, 242, 109**, and **78, 132, 0** is the 20% darker color. If you saturate the color by 10%, you get **126, 186, 35**, and if you desaturate by 10%, it is **140, 186, 73**.

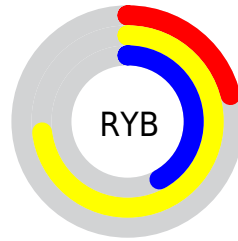
Distribution



Red (52%)

Green (73%)

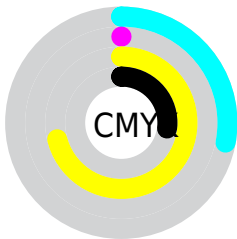
Blue (21%)



Red (21%)

Yellow (73%)

Blue (42%)

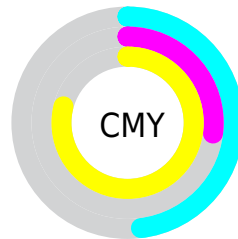


Cyan (28%)

Magenta (0%)

Yellow (71%)

Black (27%)



Cyan (48%)

Magenta (27%)


Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the RGB color 133, 186, 54 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 133, 186, 54 by changing the saturation by 10% instead.

 133, 186, 54  133, 186, 54

255, 255, 255  105, 159, 22

 190, 242, 109  78, 132, 0

 219, 255, 136  50, 107, 0

 248, 255, 164  19, 82, 0

 255, 255, 192  0, 59, 0

 255, 255, 220  0, 38, 0

 255, 255, 250  0, 0, 0

 133, 186, 54  133, 186, 54

 126, 186, 35  140, 186, 73

■ 118, 186, 17

■ 148, 186, 91

■ 111, 186, 0

■ 155, 186, 110

■ 163, 186, 128

■ 170, 186, 147

■ 178, 186, 166

■ 185, 186, 184

■ 193, 186, 203

■ 200, 186, 221

Harmonies

Analogous

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



197, 169, 24



133, 186, 54



0, 196, 110

Triad

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



133, 186, 54



0, 192, 255



255, 109, 167

Complementary

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



133, 186, 54



107, 54, 186

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.



250, 124, 229



133, 186, 54



0, 176, 255

Square

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



133, 186, 54



0, 199, 236



178, 151, 255



255, 120, 106

Rectangle

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



133, 186, 54



0, 199, 152



178, 151, 255



255, 111, 189

Sweetspot

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



133, 186, 54



222, 242, 191



186, 107, 54



110, 122, 92



250, 250, 250



122, 122, 122

Same Dimension

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



133, 186, 54



160, 242, 36



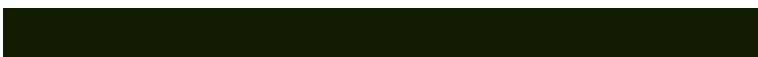
67, 186, 54



88, 92, 83



93, 156, 0



17, 28, 0

Inverse Universe

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



107, 54, 186



119, 36, 242



173, 54, 186



86, 83, 92



62, 0, 156



11, 0, 28

Previews

White Background



This preview shows how the RGB color 133, 186, 54 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 133, 186, 54 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 133, 186, 54 Background



This preview shows how black text looks on a background with the RGB color 133, 186, 54.



This preview shows how white text looks on a background with the RGB color 133, 186, 54.

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
133, 186, 54

Protanopia
190, 170, 50

Deuteranopia
212, 161, 63



Tritanopia
150, 174, 187

Trichromacy



Original Color

133, 186, 54

Protanomaly

169, 176, 51

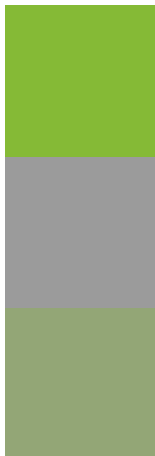
Deuteranomaly

183, 170, 60

Tritanomaly

144, 178, 139

Monochromacy



Original Color

133, 186, 54

Achromatopsia

155, 155, 155

Achromatomaly

147, 166, 118

CSS Examples

Text

The CSS property to change the color of the text to RGB 133, 186, 54 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(133, 186, 54)` looks like.

```
.text, #text, p{  
    color:rgb(133, 186, 54)  
}
```

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(133, 186, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 186, 54) }
```

Border

The CSS property to change the border of an element to RGB 133, 186, 54 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(133, 186, 54) }
```

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

```
.border{ border-color:rgb(133, 186, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 186, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 186, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 186, 54);  
box-shadow:4px 4px 4px 4px rgb(133, 186,  
54) }
```

Background

The CSS property to change the background color of an element to RGB 133, 186, 54 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 186, 54) }
```

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

```
.background{ background-color: rgb(133,  
186, 54) }
```

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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