

Converting Colors

RGB(137, 168, 51)

Have a look what the booklet for
RGB(137, 168, 51) contains.

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Color

RGB(137, 168, 51)

Conversions

Conversions Part 1

Format	Color
Hex	89A833
RGB	137, 168, 51
RGB Percent	54%, 66%, 20%
CMY	0.4627, 0.3412, 0.8000
CMYK	0.18, 0.00, 0.70, 0.34
HSL	76°, 53%, 43%
HSV	76°, 70%, 66%
XYZ	24.9167, 33.5626, 8.2970
YIQ	145.3930, 19.0810, -42.9590

Conversions

Conversions Part 2

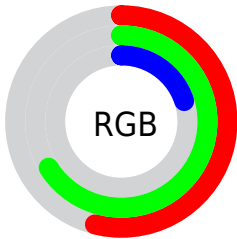
Format	Color
RYB	51, 168, 82
Decimal	9021491
CIELab	64.61, -27.47, 54.20
CIELCh	65, 60.763, 116.878
Yxy	33.5626, 0.3731, 0.5026
Android (android.graphics.Color)	4287211571 (0xFF89A833)
YUV	145.3930, -46.5357, -7.3607
Hunter-Lab	57.9333, -24.6116, 32.0620

Details

The RGB color **137, 168, 51** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **82, 51, 168**, and the grayscale version is **146, 146, 146**.

A 20% lighter version of the original color is **193, 223, 104**, and **83, 116, 0** is the 20% darker color. If you saturate the color by 10%, you get **133, 168, 34**, and if you desaturate by 10%, it is **141, 168, 68**.

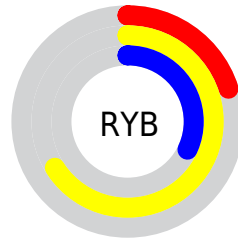
Distribution



Red (54%)

Green (66%)

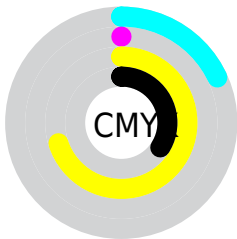
Blue (20%)



Red (20%)

Yellow (66%)

Blue (32%)

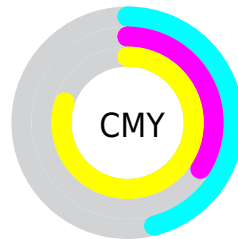


Cyan (18%)

Magenta (0%)

Yellow (70%)

Black (34%)



Cyan (46%)

Magenta (34%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the RGB color 137, 168, 51 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 137, 168, 51 by changing the saturation by 10% instead.

 137, 168, 51  137, 168, 51

255, 255, 255  110, 142, 21

 193, 223, 104  83, 116, 0

 222, 252, 131  57, 91, 0

 251, 255, 158  30, 67, 0

 255, 255, 186  0, 45, 0

 255, 255, 215  0, 25, 0

 255, 255, 244  0, 0, 0

 137, 168, 51  137, 168, 51

 133, 168, 34  141, 168, 68

■ 128, 168, 17

■ 146, 168, 85

■ 124, 168, 1

■ 150, 168, 101

■ 123, 168, 0

■ 155, 168, 118

■ 159, 168, 135

■ 164, 168, 152

■ 168, 168, 169

■ 173, 168, 185

■ 177, 168, 202

Harmonies

Analogous

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



190, 152, 37



137, 168, 51



61, 178, 94

Triad

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



137, 168, 51



0, 177, 247



251, 106, 165

Complementary

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



137, 168, 51



82, 51, 168

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.



217, 121, 217



137, 168, 51



0, 165, 255

Square

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



137, 168, 51



0, 182, 204



147, 145, 254



254, 111, 111

Rectangle

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



137, 168, 51



0, 181, 130



147, 145, 254



243, 109, 183

Sweetspot

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



137, 168, 51



207, 219, 173



168, 80, 51



102, 110, 82



237, 237, 237



110, 110, 110

Same Dimension

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



137, 168, 51



170, 219, 35



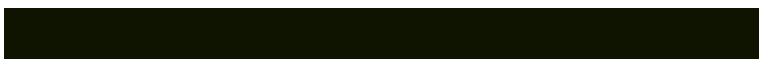
80, 168, 51



82, 84, 76



109, 148, 0



15, 20, 0

Inverse Universe

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



82, 51, 168



84, 35, 219



139, 51, 168



78, 76, 84



39, 0, 148



5, 0, 20

Previews

White Background



This preview shows how the RGB color 137, 168, 51 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 137, 168, 51 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 137, 168, 51 Background



This preview shows how black text looks on a background with the RGB color 137, 168, 51.



This preview shows how white text looks on a background with the RGB color 137, 168, 51.

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

137, 168, 51

Protanopia

175, 157, 48

Deuteranopia

195, 149, 58



Tritanopia
150, 157, 169

Trichromacy



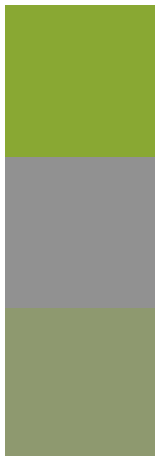
Original Color
137, 168, 51

Protanomaly
161, 161, 49

Deuteranomaly
174, 156, 55

Tritanomaly
145, 161, 126

Monochromacy



Original Color
137, 168, 51

Achromatopsia
145, 145, 145

Achromatomaly
142, 153, 111

CSS Examples

Text

The CSS property to change the color of the text to RGB 137, 168, 51 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(137, 168, 51)` looks like.

```
.text, #text, p{  
    color:rgb(137, 168, 51)  
}
```

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(137, 168, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 168, 51) }
```

Border

The CSS property to change the border of an element to RGB 137, 168, 51 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(137, 168, 51) }
```

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

```
.border{ border-color:rgb(137, 168, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 168, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 168, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 168, 51);  
box-shadow:4px 4px 4px 4px rgb(137, 168,  
51) }
```

Background

The CSS property to change the background color of an element to RGB 137, 168, 51 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 168, 51) }
```

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

```
.background{ background-color: rgb(137,  
168, 51) }
```

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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