

# Converting Colors

RGB(137, 180, 105)

Have a look what the booklet for  
RGB(137, 180, 105) contains.

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# **Color**

**RGB(137, 180, 105)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89B469
RGB	137, 180, 105
RGB Percent	54%, 71%, 41%
CMY	0.4627, 0.2941, 0.5882
CMYK	0.24, 0.00, 0.42, 0.29
HSL	94°, 33%, 56%
HSV	94°, 42%, 71%
XYZ	29.1876, 38.9808, 19.3503
YIQ	158.5930, -1.5530, -32.4410

# Conversions

## Conversions Part 2

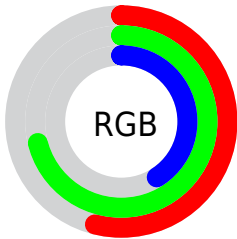
<b>Format</b>	<b>Color</b>
<b>RYB</b>	105, 180, 148
Decimal	9024617
CIELab	68.74, -27.92, 33.65
CIELCh	69, 43.725, 129.676
Yxy	38.9808, 0.3335, 0.4454
Android (android.graphics.Color)	4287214697 (0xFF89B469)
YUV	158.5930, -26.4213, -18.9371
Hunter-Lab	62.4346, -25.8135, 25.3285

# Details

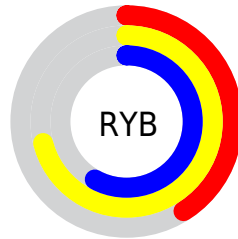
The RGB color **137, 180, 105** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **148, 105, 180**, and the grayscale version is **159, 159, 159**.

A 20% lighter version of the original color is **192, 236, 157**, and **85, 127, 56** is the 20% darker color. If you saturate the color by 10%, you get **127, 180, 87**, and if you desaturate by 10%, it is **147, 180, 123**.

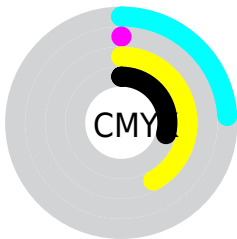
# Distribution



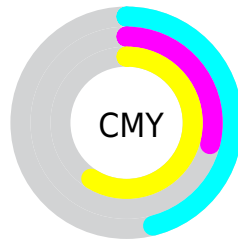
- Red (54%)
- Green (71%)
- Blue (41%)



- Red (41%)
- Yellow (71%)
- Blue (58%)



- Cyan (24%)
- Magenta (0%)
- Yellow (42%)
- Black (29%)



- Cyan (46%)
- Magenta (29%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 137, 180, 105 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, 180, 105 by changing the saturation by 10% instead.



 137, 180, 105


255, 255, 255


 192, 236, 157


 220, 255, 184

 249, 255, 212

 255, 255, 241


 137, 180, 105

 111, 153, 80

 85, 127, 56


 60, 102, 32

 35, 77, 7

 11, 54, 0

 0, 34, 0

 0, 0, 0

 137, 180, 105

 127, 180, 87

 137, 180, 105

 147, 180, 123

116, 180, 69

158, 180, 141

106, 180, 51

168, 180, 159

96, 180, 33

178, 180, 177

85, 180, 15

189, 180, 195

77, 180, 0

199, 180, 213

209, 180, 231

220, 180, 249

230, 180, 255

# Harmonies

## Analogous

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



180, 170, 88



137, 180, 105



84, 186, 139

# Triad

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



137, 180, 105



30, 179, 241



243, 136, 156

# Complementary

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



137, 180, 105



148, 105, 180

# 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.



227, 140, 196



137, 180, 105



128, 167, 245

# Square

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



137, 180, 105



0, 186, 217



188, 153, 229



238, 143, 119

# Rectangle

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



137, 180, 105



24, 188, 166



188, 153, 229



240, 136, 170

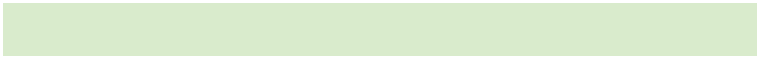


# Sweetspot

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



137, 180, 105



217, 235, 204



180, 148, 105



107, 117, 99



245, 245, 245



117, 117, 117



# Same Dimension

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



137, 180, 105



167, 235, 117



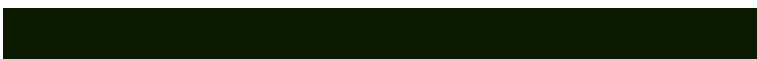
105, 180, 110



84, 89, 80



65, 153, 0



11, 26, 0



# Inverse Universe

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



148, 105, 180



185, 117, 235



180, 105, 175



85, 80, 89



88, 0, 153



15, 0, 26



# Previews

## White Background



This preview shows how the RGB color 137, 180, 105 looks on a white background.

## Color Contrast Check

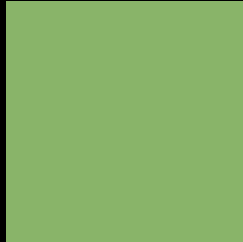
Large Text (above 18pt) WCAG AA × Fail

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, 180, 105 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, 180, 105 Background



This preview shows how black text looks on a background with the RGB color 137, 180, 105.

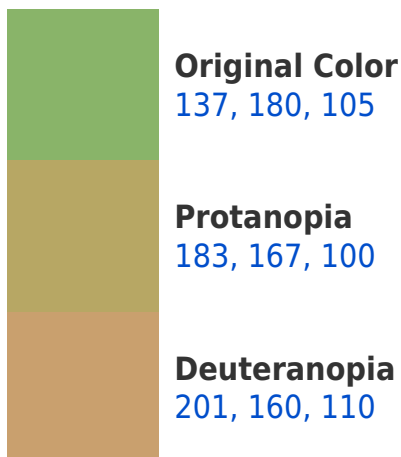


This preview shows how white text looks on a background with the RGB color 137, 180, 105.

# 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**  
149, 171, 184

# Trichromacy



**Original Color**  
137, 180, 105

**Protanomaly**  
166, 172, 102

**Deuteranomaly**  
178, 167, 108

**Tritanomaly**  
145, 174, 155

# Monochromacy



**Original Color**  
137, 180, 105

**Achromatopsia**  
159, 159, 159

**Achromatomaly**  
151, 167, 139

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 137, 180, 105 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, 180, 105)` looks like.

```
.text, #text, p{  
    color:rgb(137, 180, 105)  
}
```

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, 180, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 180, 105) }
```

## Border

The CSS property to change the border of an element to RGB 137, 180, 105 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, 180, 105) }
```

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

```
.border{ border-color:rgb(137, 180, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 180, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 180, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 180, 105);  
box-shadow:4px 4px 4px 4px rgb(137, 180,  
105) }
```

# Background

The CSS property to change the background color of an element to RGB 137, 180, 105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 180, 105) }
```

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

```
.background{ background-color: rgb(137,  
180, 105) }
```

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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