

# Converting Colors

RGB(145, 172, 81)

Have a look what the booklet for  
RGB(145, 172, 81) contains.

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# Color

**RGB(145, 172, 81)**

# Conversions

## Conversions Part 1

Format	Color
Hex	91AC51
RGB	145, 172, 81
RGB Percent	57%, 67%, 32%
CMY	0.4314, 0.3255, 0.6824
CMYK	0.16, 0.00, 0.53, 0.33
HSL	78°, 36%, 50%
HSV	78°, 53%, 67%
XYZ	27.9148, 36.1189, 13.2850
YIQ	153.5530, 13.1190, -34.0250

# Conversions

## Conversions Part 2

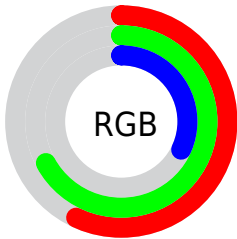
<b>Format</b>	<b>Color</b>
<b>RYB</b>	81, 172, 108
Decimal	9546833
CIELab	66.61, -23.73, 43.24
CIElCh	67, 49.318, 118.756
Yxy	36.1189, 0.3610, 0.4671
Android (android.graphics.Color)	4287736913 (0xFF91AC51)
YUV	153.5530, -35.7686, -7.5010
Hunter-Lab	60.0990, -22.2635, 28.9632

# Details

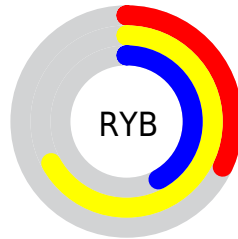
The RGB color **145, 172, 81** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **108, 81, 172**, and the grayscale version is **154, 154, 154**.

A 20% lighter version of the original color is **200, 227, 133**, and **92, 120, 30** is the 20% darker color. If you saturate the color by 10%, you get **140, 172, 64**, and if you desaturate by 10%, it is **150, 172, 98**.

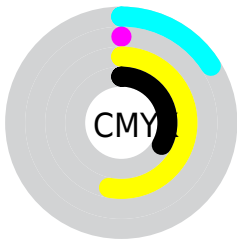
# Distribution



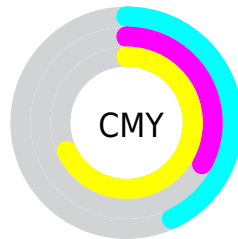
- Red (57%)
- Green (67%)
- Blue (32%)



- Red (32%)
- Yellow (67%)
- Blue (42%)



- Cyan (16%)
- Magenta (0%)
- Yellow (53%)
- Black (33%)



- Cyan (43%)
- Magenta (33%)
- Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 145, 172, 81 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 145, 172, 81 by changing the saturation by 10% instead.



 145, 172, 81       145, 172, 81



255, 255, 255       118, 145, 56

 200, 227, 133       92, 120, 30

 229, 255, 160       67, 95, 0

 255, 255, 187       43, 71, 0


 255, 255, 215       16, 48, 0

 255, 255, 244       0, 29, 0


 0, 0, 0


 145, 172, 81       145, 172, 81


 140, 172, 64       150, 172, 98

 135, 172, 47


 155, 172, 115


 130, 172, 29


 160, 172, 133


 125, 172, 12

 165, 172, 150


 121, 172, 0

 171, 172, 167

 176, 172, 184

 181, 172, 201

 186, 172, 219

 191, 172, 236

# Harmonies

## Analogous

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



190, 159, 70



145, 172, 81



89, 180, 114

# Triad

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



145, 172, 81



0, 178, 237



242, 125, 166

# Complementary

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



145, 172, 81



108, 81, 172

# 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.



215, 134, 209



145, 172, 81



74, 167, 250

# Square

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



145, 172, 81



0, 184, 203



162, 151, 240



243, 129, 122

# Rectangle

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



145, 172, 81



12, 183, 143



162, 151, 240



236, 126, 181



# Sweetspot

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



145, 172, 81



214, 224, 188



172, 107, 81



106, 112, 91



240, 240, 240



112, 112, 112



# Same Dimension

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



145, 172, 81



182, 224, 83



101, 172, 81



84, 87, 78



106, 150, 0



16, 23, 0



# Inverse Universe

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



108, 81, 172



125, 83, 224



152, 81, 172



81, 78, 87



45, 0, 150



7, 0, 23



# Previews

## White Background



This preview shows how the RGB color 145, 172, 81 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 145, 172, 81 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

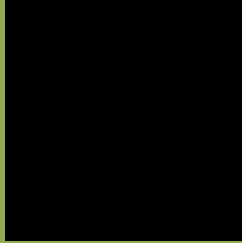
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## RGB 145, 172, 81 Background



This preview shows how black text looks on a background with the RGB color 145, 172, 81.

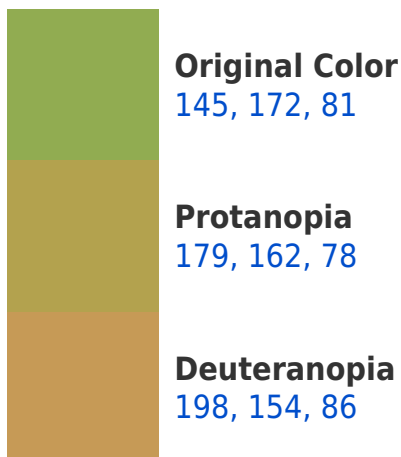


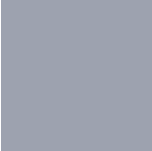
This preview shows how white text looks on a background with the RGB color 145, 172, 81.

# 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](#).

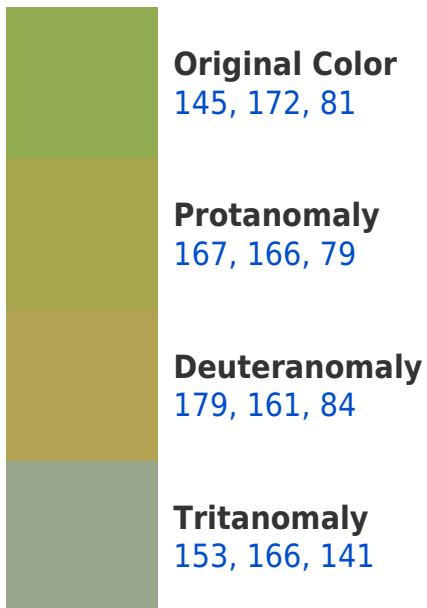
## Dichromacy



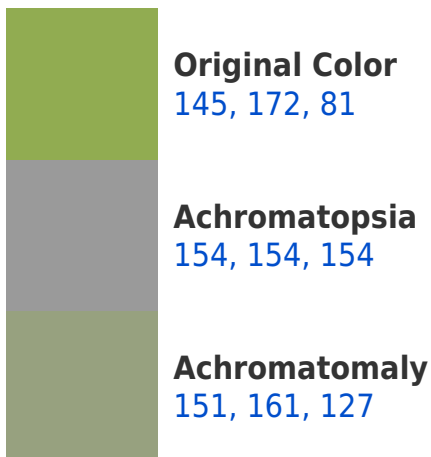


**Tritanopia**  
157, 162, 175

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to RGB 145, 172, 81 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(145, 172, 81)` looks like.

```
.text, #text, p{  
    color:rgb(145, 172, 81)  
}
```

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(145, 172, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 172, 81) }
```

## Border

The CSS property to change the border of an element to RGB 145, 172, 81 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(145, 172, 81) }
```

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

```
.border{ border-color:rgb(145, 172, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 172, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 172, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 172, 81);  
box-shadow:4px 4px 4px 4px rgb(145, 172,  
81) }
```

# Background

The CSS property to change the background color of an element to RGB 145, 172, 81 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 172, 81) }
```

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

```
.background{ background-color: rgb(145,  
172, 81) }
```

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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