

# Converting Colors

XYZ(30.0961, 57.4688, 18.4280)

Have a look what the booklet for  
XYZ(30.0961, 57.4688, 18.4280)  
contains.

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# Color

**XYZ(30.0171, 57.2817,  
18.4912)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E657
RGB	0, 230, 87
RGB Percent	0%, 90%, 34%
CMY	1.0000, 0.0980, 0.6588
CMYK	1.00, 0.00, 0.62, 0.10
HSL	143°, 100%, 45%
HSV	143°, 100%, 90%
XYZ	30.0171, 57.2817, 18.4912
YIQ	144.9280, -91.1770, -93.2330

# Conversions

## Conversions Part 2

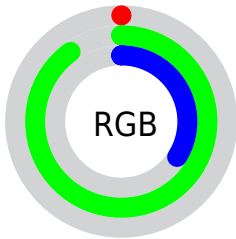
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 167, 230
Decimal	58967
CIELab	80.34, -74.75, 55.34
CIELCh	80, 93.010, 143.485
Yxy	57.2817, 0.2837, 0.5415
Android (android.graphics.Color)	4278249047 (0xFF00E657)
YUV	144.9280, -28.5585, -127.1019
Hunter-Lab	75.6847, -61.6538, 38.4936

# Details

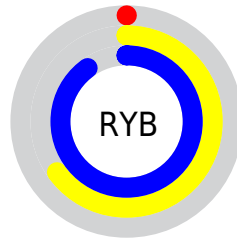
The XYZ color **30.0171, 57.2817, 18.4912** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **37.5931, 18.8073, 27.6389**, and the grayscale version is **27.0253, 28.4327, 30.9632**.

A 20% lighter version of the original color is **46.9981, 76.7581, 37.5380**, and **15.1779, 29.9809, 6.2152** is the 20% darker color. If you saturate the color by 10%, you get **30.0181, 57.2839, 18.4913**, and if you desaturate by 10%, it is **31.0154, 57.7236, 21.8974**.

# Distribution



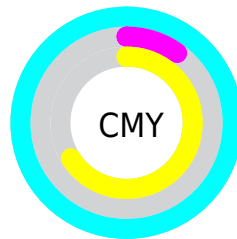
- Red (0%)
- Green (90%)
- Blue (34%)



- Red (0%)
- Yellow (65%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (62%)
- Black (10%)




- Cyan (100%)
- Magenta (10%)
- Yellow (66%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0171, 57.2817, 18.4912 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 XYZ color 30.0171, 57.2817, 18.4912 by changing the saturation by 10% instead.





 30.0171, 57.2817,  
18.4912


 30.0171, 57.2817,  
18.4912


293.8925,  
414.5040, 255.9537

 19.9997, 41.2315,  
11.1301


 59.0757, 100.8761,  
41.6977


 12.5031, 28.5000,  
6.0392


 78.8475, 129.1891,  
58.3803


 7.1619, 18.7029,  
2.7997


 102.6016,  
162.3584, 79.0071

 3.6108, 11.4558,  
0.9933

 130.7033,  
200.7684, 103.9967

 1.4844, 6.3743,  
0.0000

 163.5178,  
244.8036, 133.7676

 0.3152, 3.0740,  
0.0000

201.4107,

 0.0000, 1.1705,

294.8484, 168.7384

0.0000

244.7471,  
351.2870, 209.3276

■ 0.0000, 0.0374,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 30.0171, 57.2817,  
18.4912

■ 30.0171, 57.2817,  
18.4912

■ 30.0181, 57.2839,  
18.4913

■ 31.0154, 57.7236,  
21.8974

■ 32.5545, 58.4287,  
25.9649

■ 34.7758, 59.4706,  
30.7320

■ 37.7624, 60.8916,  
36.2313

■ 41.5849, 62.7275,  
42.4928

■ 46.3052, 65.0097,  
49.5451

■ 51.9794, 67.7666,  
57.4149

■ 58.6587, 71.0239,  
66.1279

■ 66.3906, 74.8058,  
75.7085

# Harmonies

## Analogous

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



41.1280, 57.2817, 7.1781



30.0171, 57.2817, 18.4912



25.5853, 57.2817, 51.2209

# Triad

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



30.0171, 57.2817, 18.4912



50.3980, 57.2817, 235.1235



95.3636, 57.2817, 29.2408

# Complementary

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



30.0171, 57.2817, 18.4912



37.5931, 18.8073, 27.6389

# 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.



99.4816, 57.2817, 75.0299



30.0171, 57.2817, 18.4912



70.3637, 57.2817, 216.2679

# Square

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



30.0171, 57.2817, 18.4912



35.4480, 57.2817, 190.1596



89.4580, 57.2817, 147.7953



79.2438, 57.2817, 10.3744



# Rectangle

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



30.0171, 57.2817, 18.4912



26.0549, 57.2817, 90.1314



89.4580, 57.2817, 147.7953



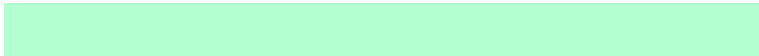
98.3317, 57.2817, 40.9892

# Sweetspot

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



30.0185, 57.2840, 18.4925



65.5509, 85.5706, 72.3732



40.0939, 62.6768, 9.9849



13.3494, 17.9843, 14.5625



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



30.0185, 57.2840, 18.4925



37.8923, 72.3729, 23.1483



38.6461, 60.7351, 63.9249



14.4137, 16.1789, 16.4434



17.0488, 32.4516, 10.7571



1.3039, 2.4157, 1.0267



# Inverse Universe

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



37.5931, 18.8073, 27.6389



47.4587, 23.7475, 34.6774



32.8775, 16.9211, 2.8072



14.7519, 14.5179, 16.8938



21.3433, 10.6715, 15.9688

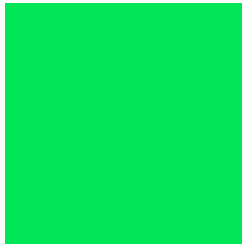


1.6220, 0.8065, 1.4161



# Previews

## White Background



This preview shows how the XYZ color 30.0171, 57.2817, 18.4912 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 XYZ color 30.0171, 57.2817, 18.4912 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

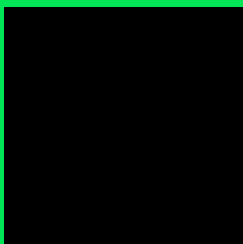
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 30.0171, 57.2817, 18.4912**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.0171, 57.2817, 18.4912.



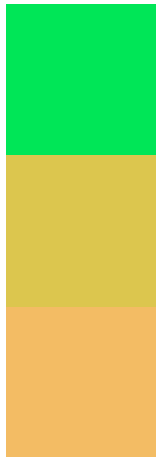
This preview shows how white text looks on a background with the XYZ color 30.0171, 57.2817,



# 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

30.0171, 57.2817, 18.4912

### Protanopia

51.0844, 56.1539, 15.3541

### Deuteranopia

57.2456, 55.9412, 19.8372



## Tritanopia

43.4221, 56.7594, 85.7579

# Trichromacy



## Original Color

30.0171, 57.2817, 18.4912



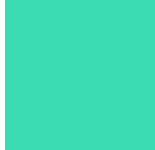
## Protanomaly

35.3470, 52.2627, 16.0093



## Deuteranomaly

36.9391, 50.5067, 18.6283



## Tritanomaly

35.6351, 55.4115, 51.9973

# Monochromacy



## Original Color

30.0171, 57.2817, 18.4912



## Achromatopsia

26.9133, 28.3149, 30.8349



## Achromatomaly

23.5771, 34.7812, 24.5396

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.0171, 57.2817, 18.4912 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(0, 230, 87)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 87)  
}
```

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(0, 230, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 87) }
```

## Border

The CSS property to change the border of an element to XYZ 30.0171, 57.2817, 18.4912 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(0, 230, 87) }
```



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

```
.border{ border-color:rgb(0, 230, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 230, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 87);  
box-shadow:4px 4px 4px 4px rgb(0, 230, 87)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 30.0171, 57.2817, 18.4912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 230, 87) }
```

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

```
.background{ background-color: rgb(0, 230,  
87) }
```

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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