

# Converting Colors

XYZ(30.9479, 56.3078, 27.5428)

Have a look what the booklet for  
XYZ(30.9479, 56.3078, 27.5428)  
contains.

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# Color

**XYZ(30.9819, 56.3433,  
27.6548)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E37A
RGB	0, 227, 122
RGB Percent	0%, 89%, 48%
CMY	1.0000, 0.1098, 0.5216
CMYK	1.00, 0.00, 0.46, 0.11
HSL	152°, 100%, 45%
HSV	152°, 100%, 89%
XYZ	30.9819, 56.3433, 27.6548
YIQ	147.1570, -101.5870, -80.7790

# Conversions

## Conversions Part 2

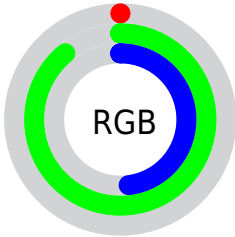
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 148, 227
Decimal	58234
CIELab	79.81, -68.86, 38.53
CIELCh	80, 78.908, 150.772
Yxy	56.3433, 0.2695, 0.4900
Android (android.graphics.Color)	4278248314 (0xFF00E37A)
YUV	147.1570, -12.4024, -129.0567
Hunter-Lab	75.0622, -57.6830, 30.6996

# Details

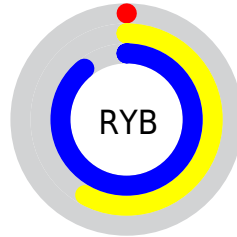
The XYZ color **30.9819, 56.3433, 27.6548** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **34.2303, 17.3519, 14.9130**, and the grayscale version is **27.8802, 29.3321, 31.9427**.

A 20% lighter version of the original color is **49.7808, 77.8427, 53.4757**, and **15.5121, 29.2044, 10.7807** is the 20% darker color. If you saturate the color by 10%, you get **30.9829, 56.3454, 27.6544**, and if you desaturate by 10%, it is **32.0163, 56.7988, 31.2867**.

# Distribution



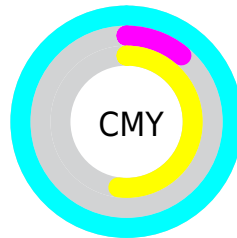
- Red (0%)
- Green (89%)
- Blue (48%)



- Red (0%)
- Yellow (58%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (46%)
- Black (11%)




- Cyan (100%)
- Magenta (11%)
- Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9819, 56.3433, 27.6548 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 30.9819, 56.3433, 27.6548 by changing the saturation by 10% instead.





 30.9819, 56.3433,  
27.6548


 30.9819, 56.3433,  
27.6548


298.2833,  
410.9840, 304.6736


 20.7368, 40.4782,  
17.8288


 60.5876, 99.5063,  
56.9493


 13.0431, 27.9116,  
10.6590


 80.6790, 127.5731,  
77.2549


 7.5355, 18.2590,  
5.7268

 104.7831,  
160.4759, 101.8908

 3.8485, 11.1361,  
2.6136

 133.2654,  
198.5991, 131.2755

 1.6168, 6.1585,  
0.8994

 166.4912,  
242.3271, 165.8276

 0.4033, 2.9417,  
0.0000

204.8259,

 0.0000, 1.1014,

292.0443, 205.9656

0.0000

248.6348,  
348.1352, 252.1081

■ 0.0000, 0.0000,  
0.0000

■ 30.9819, 56.3433,  
27.6548

■ 30.9819, 56.3433,  
27.6548

■ 30.9829, 56.3454,  
27.6544

■ 32.0163, 56.7988,  
31.2867

■ 33.5288, 57.4909,  
35.3179

■ 35.6534, 58.4899,  
39.7666

■ 38.4674, 59.8355,  
44.6465

■ 42.0358, 61.5609,  
49.9704

■ 46.4159, 63.6955,  
55.7507

■ 51.6589, 66.2655,  
61.9988

■ 57.8121, 69.2951,  
68.7258

■ 64.9189, 72.8064,  
75.9424

# Harmonies

## Analogous

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



39.3321, 56.3433, 12.5719



30.9819, 56.3433, 27.6548



28.3487, 56.3433, 62.5411

# Triad

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



30.9819, 56.3433, 27.6548



53.9675, 56.3433, 197.9306



84.4955, 56.3433, 26.4654

# Complementary

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



30.9819, 56.3433, 27.6548



34.2303, 17.3519, 14.9130

# 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.



90.4856, 56.3433, 60.1707



30.9819, 56.3433, 27.6548



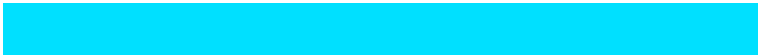
70.8439, 56.3433, 172.1314

# Square

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



30.9819, 56.3433, 27.6548



39.9185, 56.3433, 174.4998



85.0576, 56.3433, 115.0672



69.9837, 56.3433, 12.1644



# Rectangle

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



30.9819, 56.3433, 27.6548



29.6727, 56.3433, 98.1090



85.0576, 56.3433, 115.0672



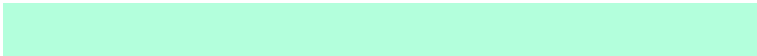
87.6881, 56.3433, 35.1523

# Sweetspot

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



30.9833, 56.3456, 27.6561



67.1021, 86.1911, 80.5417



33.4071, 58.0009, 9.4349



13.7146, 18.1304, 16.4855



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

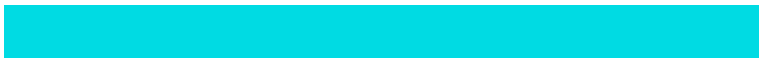
The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.9833, 56.3456, 27.6561



40.2785, 73.3274, 35.7140



39.3116, 56.4379, 81.4975



14.5116, 16.2181, 16.9586



18.1282, 32.8834, 16.4412



1.3864, 2.4487, 1.4614



# Inverse Universe

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



34.2303, 17.3519, 14.9130



44.5074, 22.5670, 19.1360



31.7621, 16.4960, 1.5103



14.6530, 14.4784, 16.3729



20.0198, 10.1421, 8.9992

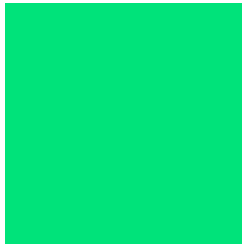


1.5259, 0.7681, 0.9099



# Previews

## White Background



This preview shows how the XYZ color 30.9819, 56.3433, 27.6548 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 30.9819, 56.3433, 27.6548 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 30.9819, 56.3433, 27.6548**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.9819, 56.3433, 27.6548.



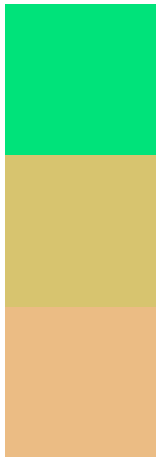
This preview shows how white text looks on a background with the XYZ color 30.9819, 56.3433,



# 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

30.9819, 56.3433, 27.6548

### Protanopia

50.6335, 55.0746, 23.0007

### Deuteranopia

56.4090, 55.2946, 29.5296



## Tritanopia

42.6122, 56.3584, 84.9763

# Trichromacy



## Original Color

30.9819, 56.3433, 27.6548



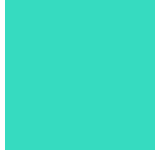
## Protanomaly

35.7239, 51.1818, 24.2159



## Deuteranomaly

37.5945, 50.2836, 28.1463



## Tritanomaly

36.3673, 55.2531, 58.6173

# Monochromacy



## Original Color

30.9819, 56.3433, 27.6548



## Achromatopsia

27.7328, 29.1771, 31.7738



## Achromatomaly

24.7289, 35.2653, 29.5483

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.9819, 56.3433, 27.6548 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, 227, 122)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 122)  
}
```

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, 227, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 122) }
```

## Border

The CSS property to change the border of an element to XYZ 30.9819, 56.3433, 27.6548 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, 227, 122) }
```



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

```
.border{ border-color:rgb(0, 227, 122) }
```

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

Here you see how a box with a 4 pixel rgb(0, 227, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 122);  
box-shadow:4px 4px 4px 4px rgb(0, 227,  
122) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.9819, 56.3433, 27.6548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 227, 122) }
```

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

```
.background{ background-color: rgb(0, 227,  
122) }
```

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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