

# Converting Colors

XYZ(28.4440, 54.1989, 17.7719)

Have a look what the booklet for  
XYZ(28.4440, 54.1989, 17.7719)  
contains.

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# Color

**XYZ(28.3354, 53.9832,  
17.7305)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E056
RGB	0, 224, 86
RGB Percent	0%, 88%, 34%
CMY	1.0000, 0.1216, 0.6627
CMYK	1.00, 0.00, 0.62, 0.12
HSL	143°, 100%, 44%
HSV	143°, 100%, 88%
XYZ	28.3354, 53.9832, 17.7305
YIQ	141.2920, -89.2060, -90.4060

# Conversions

## Conversions Part 2

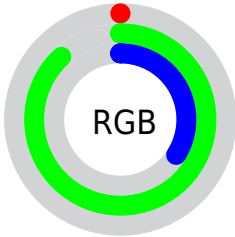
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 162, 224
Decimal	57430
CIELab	78.45, -73.10, 53.63
CIELCh	78, 90.668, 143.735
Yxy	53.9832, 0.2832, 0.5396
Android (android.graphics.Color)	4278247510 (0xFF00E056)
YUV	141.2920, -27.2590, -123.9131
Hunter-Lab	73.4733, -59.7386, 37.1235

# Details

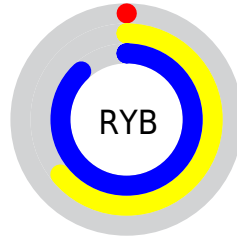
The XYZ color **28.3354, 53.9832, 17.7305** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **35.3299, 17.6834, 25.5994**, and the grayscale version is **25.5630, 26.8943, 29.2879**.

A 20% lighter version of the original color is **46.6780, 76.6016, 37.1363**, and **14.0405, 27.7261, 5.7741** is the 20% darker color. If you saturate the color by 10%, you get **28.3363, 53.9852, 17.7305**, and if you desaturate by 10%, it is **29.2875, 54.4050, 20.9647**.

# Distribution



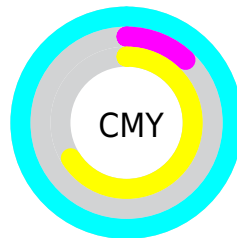
- Red (0%)
- Green (88%)
- Blue (34%)



- Red (0%)
- Yellow (64%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (62%)
- Black (12%)




- Cyan (100%)
- Magenta (12%)
- Yellow (66%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3354, 53.9832, 17.7305 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 28.3354, 53.9832, 17.7305 by changing the saturation by 10% instead.





 28.3354, 53.9832,  
17.7305


 28.3354, 53.9832,  
17.7305


286.1172,  
402.0459, 251.5325


 18.7204, 38.5882,  
10.5892


 56.4244, 96.0496,  
40.3853


 11.5712, 26.4395,  
5.6807


 75.6291, 123.4898,  
56.7359


 6.5225, 17.1528,  
2.5863


 98.7610, 155.7138,  
76.9933

 3.2090, 10.3435,  
0.8854

 126.1856,  
193.1062, 101.5762

 1.2652, 5.6273,  
0.0000

 158.2681,  
236.0511, 130.9030

 0.1570, 2.6198,  
0.0000

195.3740,

 0.0000, 0.9366,

284.9332, 165.3923

0.0000

237.8686,  
340.1366, 205.4626

■ 0.0000, 0.0000,  
0.0000

■ 28.3354, 53.9832,  
17.7305

■ 28.3354, 53.9832,  
17.7305

■ 28.3363, 53.9852,  
17.7305

■ 29.2875, 54.4050,  
20.9647

■ 30.7454, 55.0729,  
24.8118

■ 32.8432, 56.0571,  
29.3067

■ 35.6585, 57.3968,  
34.4792

■ 39.2573, 59.1257,  
40.3568

■ 43.6974, 61.2730,  
46.9653

■ 49.0313, 63.8652,  
54.3292

■ 55.3067, 66.9266,  
62.4720

■ 62.5682, 70.4796,  
71.4158

# Harmonies

## Analogous

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



38.7113, 53.9832, 6.9290



28.3354, 53.9832, 17.7305



24.2203, 53.9832, 48.7018

# Triad

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



28.3354, 53.9832, 17.7305



47.6584, 53.9832, 220.3450



89.5233, 53.9832, 27.4561

# Complementary

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



28.3354, 53.9832, 17.7305



35.3299, 17.6834, 25.5994

# 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.



93.4858, 53.9832, 70.1574



28.3354, 53.9832, 17.7305



66.3813, 53.9832, 202.2411

# Square

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



28.3354, 53.9832, 17.7305



33.5854, 53.9832, 178.7909



84.2098, 53.9832, 138.0796



74.3761, 53.9832, 9.8374



# Rectangle

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



28.3354, 53.9832, 17.7305



24.6935, 53.9832, 85.3054



84.2098, 53.9832, 138.0796



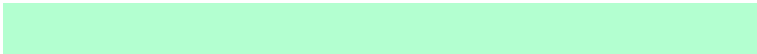
92.3338, 53.9832, 38.4143

# Sweetspot

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



28.3367, 53.9854, 17.7317



65.6041, 85.5919, 72.6535



37.1611, 58.7286, 9.3774



13.3618, 17.9893, 14.6281



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.



28.3367, 53.9854, 17.7317



37.9598, 72.3999, 23.5040



36.8350, 57.3847, 62.4832



13.7455, 15.4239, 15.6949



16.5452, 31.4429, 10.5941



1.1896, 2.1966, 0.9596



# Inverse Universe

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



35.3299, 17.6834, 25.5994



47.3345, 23.6978, 34.0232



30.9298, 15.9233, 2.4290



14.0604, 13.8418, 16.0880



20.6213, 10.3155, 15.2035

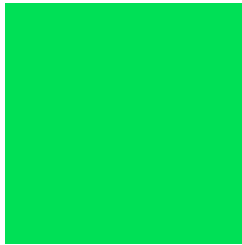


1.4727, 0.7323, 1.2820



# Previews

## White Background



This preview shows how the XYZ color 28.3354, 53.9832, 17.7305 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 28.3354, 53.9832, 17.7305 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

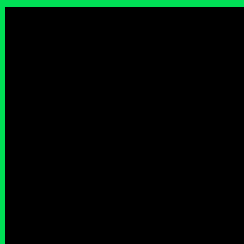
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 28.3354, 53.9832, 17.7305**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.3354, 53.9832, 17.7305.



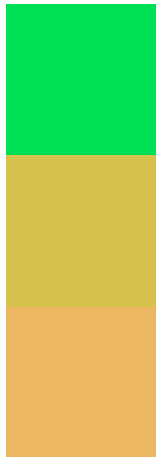
This preview shows how white text looks on a background with the XYZ color 28.3354, 53.9832,



# 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

28.3354, 53.9832, 17.7305

### Protanopia

48.1411, 52.9719, 14.7085

### Deuteranopia

53.7302, 52.5817, 18.8727



## Tritanopia

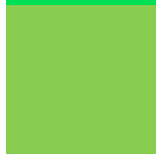
41.0315, 53.7631, 80.8878

# Trichromacy



## Original Color

28.3354, 53.9832, 17.7305



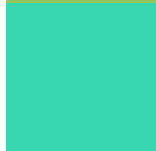
## Protanomaly

33.1942, 48.9992, 15.2977



## Deuteranomaly

34.7921, 47.6803, 17.9592



## Tritanomaly

33.8243, 52.6053, 49.4454

# Monochromacy



## Original Color

28.3354, 53.9832, 17.7305



## Achromatopsia

25.3171, 26.6356, 29.0061



## Achromatomaly

22.2305, 32.6800, 23.2253

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.3354, 53.9832, 17.7305 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, 224, 86)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 86)  
}
```

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, 224, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 86) }
```

## Border

The CSS property to change the border of an element to XYZ 28.3354, 53.9832, 17.7305 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, 224, 86) }
```



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

```
.border{ border-color:rgb(0, 224, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 224, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 86);  
box-shadow:4px 4px 4px 4px rgb(0, 224, 86)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 28.3354, 53.9832, 17.7305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 224, 86) }
```

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

```
.background{ background-color: rgb(0, 224,  
86) }
```

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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