

# Converting Colors

XYZ(28.3799, 55.2806, 14.0203)

Have a look what the booklet for  
XYZ(28.3799, 55.2806, 14.0203)  
contains.

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# Color

**XYZ(28.3945, 55.3083,  
14.0295)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E340
RGB	0, 227, 64
RGB Percent	0%, 89%, 25%
CMY	1.0000, 0.1098, 0.7490
CMYK	1.00, 0.00, 0.72, 0.11
HSL	137°, 100%, 45%
HSV	137°, 100%, 89%
XYZ	28.3945, 55.3083, 14.0295
YIQ	140.5450, -82.9690, -98.8170

# Conversions

## Conversions Part 2

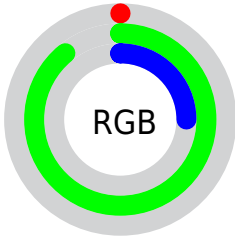
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 177, 227
Decimal	58176
CIELab	79.22, -76.18, 63.15
CIELCh	79, 98.951, 140.340
Yxy	55.3083, 0.2905, 0.5659
Android (android.graphics.Color)	4278248256 (0xFF00E340)
YUV	140.5450, -37.7367, -123.2580
Hunter-Lab	74.3696, -61.9949, 40.8739

# Details

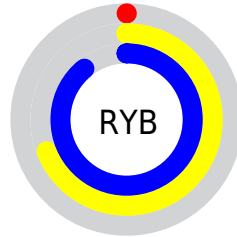
The XYZ color **28.3945, 55.3083, 14.0295** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **38.2911, 18.9762, 36.2970**, and the grayscale version is **25.3072, 26.6252, 28.9948**.

A 20% lighter version of the original color is **45.5806, 76.1911, 30.0733**, and **14.3747, 28.7495, 4.7916** is the 20% darker color. If you saturate the color by 10%, you get **28.3956, 55.3105, 14.0301**, and if you desaturate by 10%, it is **29.2761, 55.7027, 16.8575**.

# Distribution



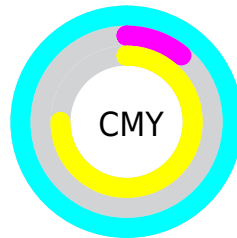
- Red (0%)
- Green (89%)
- Blue (25%)



- Red (0%)
- Yellow (69%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (72%)
- Black (11%)




- Cyan (100%)
- Magenta (11%)
- Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3945, 55.3083, 14.0295 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 28.3945, 55.3083, 14.0295 by changing the saturation by 10% instead.





 28.3945, 55.3083,  
14.0295


 28.3945, 55.3083,  
14.0295

286.3932,  
407.0795, 228.8491


 18.7652, 39.6486,  
8.0022


 56.5179, 97.9925,  
33.8592

 11.6038, 27.2647,  
4.0086


 75.7428, 125.7858,  
48.4988


 6.5447, 17.7721,  
1.6300


 98.8968, 158.3925,  
66.8461

 3.2228, 10.7865,  
0.3121

 126.3455,  
196.1969, 89.3198

 1.2727, 5.9235,  
0.0000

 158.4541,  
239.5834, 116.3384

 0.1626, 2.7986,  
0.0000

195.5881,

 0.0000, 1.0275,

288.9364, 148.3205

0.0000

238.1126,  
344.6403, 185.6845

■ 0.0000, 0.0000,  
0.0000

■ 28.3945, 55.3083,  
14.0295

■ 28.3945, 55.3083,  
14.0295

■ 28.3956, 55.3105,  
14.0301

■ 29.2761, 55.7027,  
16.8575

■ 30.7097, 56.3632,  
20.4739

■ 32.8369, 57.3633,  
24.9368

■ 35.7418, 58.7452,  
30.2962

■ 39.4958, 60.5448,  
36.5982

■ 44.1619, 62.7938,  
43.8855

■ 49.7969, 65.5206,  
52.1983

■ 56.4529, 68.7513,  
61.5744

■ 64.1783, 72.5100,  
72.0496

# Harmonies

## Analogous

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



40.4294, 55.3083, 4.9518



28.3945, 55.3083, 14.0295



23.2889, 55.3083, 43.7346

# Triad

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



28.3945, 55.3083, 14.0295



46.4433, 55.3083, 243.9888



96.8870, 55.3083, 29.7475

# Complementary

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



28.3945, 55.3083, 14.0295



38.2911, 18.9762, 36.2970

# 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.



99.6665, 55.3083, 80.4043



28.3945, 55.3083, 14.0295



66.9234, 55.3083, 230.8985

# Square

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



28.3945, 55.3083, 14.0295



31.8444, 55.3083, 188.9663



87.6090, 55.3083, 159.8835



80.7614, 55.3083, 9.2729



# Rectangle

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



28.3945, 55.3083, 14.0295



23.3344, 55.3083, 81.9568



87.6090, 55.3083, 159.8835



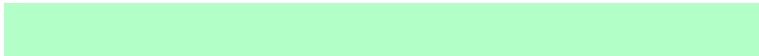
99.5466, 55.3083, 42.7147

# Sweetspot

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



28.3958, 55.3106, 14.0308



64.6684, 85.2176, 67.7257



43.2950, 63.0983, 9.8975



13.1438, 17.9021, 13.4801



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.



28.3958, 55.3106, 14.0308



36.9263, 71.9865, 18.0614



35.1139, 57.9978, 49.4077



14.3555, 16.1556, 16.1369



16.6029, 32.2732, 8.4089



1.2657, 2.4004, 0.8257



# Inverse Universe

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



38.2911, 18.9762, 36.2970



49.7982, 24.6833, 46.9970



32.3218, 16.5885, 4.8632



14.8127, 14.5423, 17.2142



22.3828, 11.0873, 21.4425

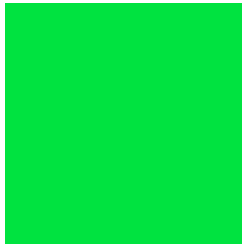


1.6932, 0.8350, 1.7912



# Previews

## White Background



This preview shows how the XYZ color 28.3945, 55.3083, 14.0295 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 28.3945, 55.3083, 14.0295 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

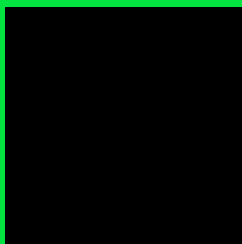
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 28.3945, 55.3083, 14.0295**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.3945, 55.3083, 14.0295.



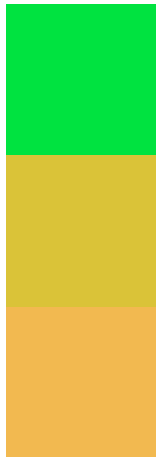
This preview shows how white text looks on a background with the XYZ color 28.3945, 55.3083,



# 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

28.3945, 55.3083, 14.0295

### Protanopia

49.1424, 54.2212, 11.6170

### Deuteranopia

55.4149, 54.1544, 15.1216



## Tritanopia

42.2005, 55.0713, 82.5344

# Trichromacy



## Original Color

28.3945, 55.3083, 14.0295



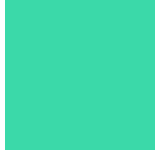
## Protanomaly

33.7497, 50.4304, 12.0929



## Deuteranomaly

35.2167, 48.6730, 14.0173



## Tritanomaly

33.7779, 53.4201, 46.0669

# Monochromacy



## Original Color

28.3945, 55.3083, 14.0295



## Achromatopsia

25.3171, 26.6356, 29.0061



## Achromatomaly

21.9496, 32.8710, 20.8106

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.3945, 55.3083, 14.0295 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, 64)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 64)  
}
```

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, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 64) }
```

## Border

The CSS property to change the border of an element to XYZ 28.3945, 55.3083, 14.0295 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, 64) }
```



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

```
.border{ border-color:rgb(0, 227, 64) }
```

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, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 64);  
box-shadow:4px 4px 4px 4px rgb(0, 227, 64)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 28.3945, 55.3083, 14.0295 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, 64) }
```

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

```
.background{ background-color: rgb(0, 227,  
64) }
```

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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