

# Converting Colors

XYZ(28.3045, 55.2761, 13.5439)

Have a look what the booklet for  
XYZ(28.3045, 55.2761, 13.5439)  
contains.

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# Color

**XYZ(28.3114, 55.2751,  
13.5919)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E33D
RGB	0, 227, 61
RGB Percent	0%, 89%, 24%
CMY	1.0000, 0.1098, 0.7608
CMYK	1.00, 0.00, 0.73, 0.11
HSL	136°, 100%, 45%
HSV	136°, 100%, 89%
XYZ	28.3114, 55.2751, 13.5919
YIQ	140.2030, -82.0060, -99.7500

# Conversions

## Conversions Part 2

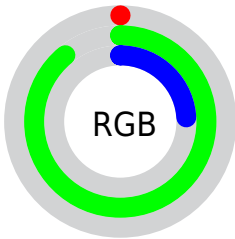
Format	Color
<b>RYB</b>	0, 179, 227
Decimal	58173
CIELab	79.20, -76.42, 64.18
CIELCh	79, 99.798, 139.975
Yxy	55.2751, 0.2913, 0.5688
Android (android.graphics.Color)	4278248253 (0xFF00E33D)
YUV	140.2030, -39.0471, -122.9580
Hunter-Lab	74.3472, -62.1349, 41.2039

# Details

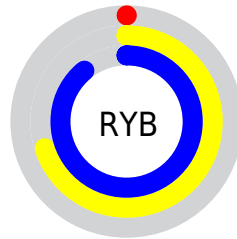
The XYZ color **28.3114, 55.2751, 13.5919** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **38.5629, 19.0849, 37.7284**, and the grayscale version is **25.1779, 26.4891, 28.8466**.

A 20% lighter version of the original color is **45.4604, 76.1430, 29.4406**, and **14.3747, 28.7495, 4.7916** is the 20% darker color. If you saturate the color by 10%, you get **28.3126, 55.2773, 13.5927**, and if you desaturate by 10%, it is **29.1779, 55.6635, 16.3403**.

# Distribution



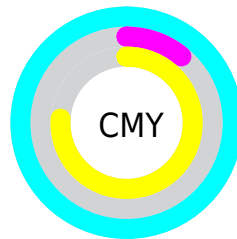
- Red (0%)
- Green (89%)
- Blue (24%)



- Red (0%)
- Yellow (70%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (73%)
- Black (11%)




- Cyan (100%)
- Magenta (11%)
- Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3114, 55.2751, 13.5919 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 28.3114, 55.2751, 13.5919 by changing the saturation by 10% instead.





 28.3114, 55.2751,  
13.5919


 28.3114, 55.2751,  
13.5919


286.0051,  
406.9539, 226.0165


 18.7022, 39.6220,  
7.7019


 56.3864, 97.9439,  
33.0698


 11.5580, 27.2440,  
3.8198


 75.5829, 125.7284,  
47.4947


 6.5135, 17.7565,  
1.5270


 98.7058, 158.3255,  
65.6017

 3.2034, 10.7753,  
0.2379

 126.1206,  
196.1196, 87.8093

 1.2622, 5.9160,  
0.0000

 158.1926,  
239.4951, 114.5361

 0.1547, 2.7940,  
0.0000

195.2871,

 0.0000, 1.0252,

288.8364, 146.2005

0.0000

237.7695,  
344.5279, 183.2211

■ 0.0000, 0.0000,  
0.0000

■ 28.3114, 55.2751,  
13.5919

■ 28.3114, 55.2751,  
13.5919

■ 28.3126, 55.2773,  
13.5927

■ 29.1779, 55.6635,  
16.3403

■ 30.5999, 56.3193,  
19.8963

■ 32.7200, 57.3165,  
24.3218

■ 35.6227, 58.6976,  
29.6701

■ 39.3801, 60.4985,  
35.9901

■ 44.0554, 62.7512,  
43.3269

■ 49.7062, 65.4843,  
51.7230

■ 56.3848, 68.7240,  
61.2185

■ 64.1400, 72.4947,  
71.8512

# Harmonies

## Analogous

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



40.5006, 55.2751, 4.7373



28.3114, 55.2751, 13.5919



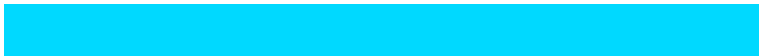
23.1089, 55.2751, 43.0258

# Triad

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



28.3114, 55.2751, 13.5919



46.1429, 55.2751, 245.9319



97.4256, 55.2751, 29.9334

# Complementary

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



28.3114, 55.2751, 13.5919



38.5629, 19.0849, 37.7284

# 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.



100.0458, 55.2751, 81.3901



28.3114, 55.2751, 13.5919



66.7498, 55.2751, 233.5505

# Square

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



28.3114, 55.2751, 13.5919



31.5399, 55.2751, 189.4654



87.6966, 55.2751, 161.9936



81.2466, 55.2751, 9.1856



# Rectangle

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



28.3114, 55.2751, 13.5919



23.1055, 55.2751, 81.2737



87.6966, 55.2751, 161.9936



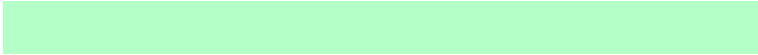
100.0549, 55.2751, 43.1020

# Sweetspot

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



28.3127, 55.2774, 13.5932



64.5506, 85.1705, 67.1056



43.2949, 63.0983, 9.8974



13.1166, 17.8912, 13.3364



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.



28.3127, 55.2774, 13.5932



36.8195, 71.9438, 17.4995



35.1139, 57.9978, 49.4075



14.3476, 16.1525, 16.0952



16.5529, 32.2533, 8.1460



1.2611, 2.3986, 0.8016



# Inverse Universe

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



38.5629, 19.0849, 37.7284



50.1533, 24.8253, 48.8668



32.3218, 16.5884, 4.8629



14.8211, 14.5456, 17.2584



22.5401, 11.1502, 22.2707

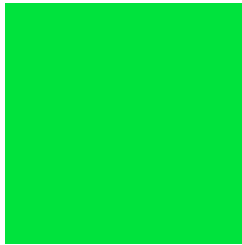


1.7038, 0.8392, 1.8468



# Previews

## White Background



This preview shows how the XYZ color 28.3114, 55.2751, 13.5919 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 28.3114, 55.2751, 13.5919 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

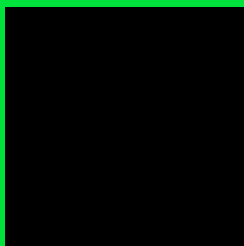
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 28.3114, 55.2751, 13.5919**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.3114, 55.2751, 13.5919.



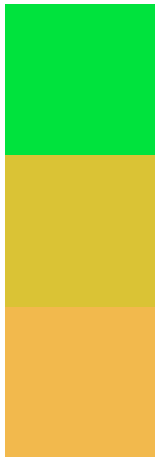
This preview shows how white text looks on a background with the XYZ color 28.3114, 55.2751,



# 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

28.3114, 55.2751, 13.5919

### Protanopia

49.0712, 54.1927, 11.2421

### Deuteranopia

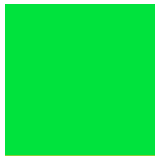
55.3065, 54.1110, 14.5507



## Tritanopia

42.2005, 55.0713, 82.5344

# Trichromacy



## Original Color

28.3114, 55.2751, 13.5919



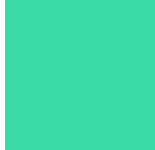
## Protanomaly

33.6741, 50.4001, 11.6948



## Deuteranomaly

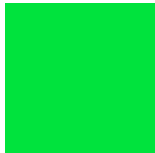
35.1180, 48.6335, 13.4975



## Tritanomaly

33.6844, 53.3827, 45.5743

# Monochromacy



## Original Color

28.3114, 55.2751, 13.5919



## Achromatopsia

24.9269, 26.2251, 28.5591



## Achromatomaly

21.7416, 32.7766, 20.2195

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.3114, 55.2751, 13.5919 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, 61)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 61)  
}
```

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, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 61) }
```

## Border

The CSS property to change the border of an element to XYZ 28.3114, 55.2751, 13.5919 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, 61) }
```



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

```
.border{ border-color:rgb(0, 227, 61) }
```

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, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 61);  
box-shadow:4px 4px 4px 4px rgb(0, 227, 61)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 28.3114, 55.2751, 13.5919 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, 61) }
```

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

```
.background{ background-color: rgb(0, 227,  
61) }
```

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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