

Converting Colors

XYZ(28.2484, 55.2286, 13.3304)

Have a look what the booklet for
XYZ(28.2484, 55.2286, 13.3304)
contains.

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Color

**XYZ(28.2585, 55.2539,
13.3134)**

Conversions

Conversions Part 1

Format	Color
Hex	00E33B
RGB	0, 227, 59
RGB Percent	0%, 89%, 23%
CMY	1.0000, 0.1098, 0.7686
CMYK	1.00, 0.00, 0.74, 0.11
HSL	136°, 100%, 45%
HSV	136°, 100%, 89%
XYZ	28.2585, 55.2539, 13.3134
YIQ	139.9750, -81.3640, -100.3720

Conversions

Conversions Part 2

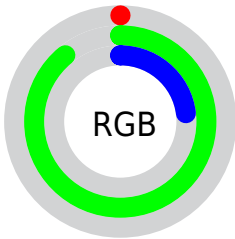
Format	Color
RYB	0, 180, 227
Decimal	58171
CIELab	79.19, -76.58, 64.85
CIELCh	79, 100.346, 139.741
Yxy	55.2539, 0.2918, 0.5707
Android (android.graphics.Color)	4278248251 (0xFF00E33B)
YUV	139.9750, -39.9207, -122.7581
Hunter-Lab	74.3330, -62.2239, 41.4139

Details

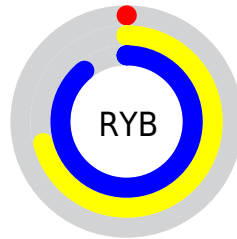
The XYZ color **28.2585, 55.2539, 13.3134** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **38.7479, 19.1588, 38.7024**, and the grayscale version is **25.0921, 26.3988, 28.7483**.

A 20% lighter version of the original color is **45.3428, 76.0960, 28.8212**, and **14.3747, 28.7495, 4.7916** is the 20% darker color. If you saturate the color by 10%, you get **28.2597, 55.2561, 13.3142**, and if you desaturate by 10%, it is **29.1146, 55.6381, 16.0070**.

Distribution



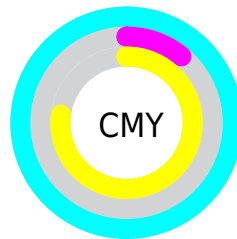
- Red (0%)
- Green (89%)
- Blue (23%)



- Red (0%)
- Yellow (71%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (74%)
- Black (11%)





- Cyan (100%)
- Magenta (11%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.2585, 55.2539, 13.3134 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 28.2585, 55.2539, 13.3134 by changing the saturation by 10% instead.


 28.2585, 55.2539,
13.3134


 28.2585, 55.2539,
13.3134


285.7578,
406.8737, 224.1945


 18.6621, 39.6050,
7.5114


 56.3026, 97.9129,
32.5651

 11.5289, 27.2307,
3.7007


 75.4811, 125.6917,
46.8519


 6.4937, 17.7466,
1.4626


 98.5842, 158.2828,
64.8041

 3.1910, 10.7682,
0.1899

 125.9774,
196.0703, 86.8402

 1.2556, 5.9112,
0.0000

 158.0260,
239.4388, 113.3787

 0.1496, 2.7912,
0.0000

195.0953,

 0.0000, 1.0237,

288.7726, 144.8383

0.0000

237.5508,
344.4561, 181.6373

■ 0.0000, 0.0000,
0.0000

■ 28.2585, 55.2539,
13.3134

■ 28.2585, 55.2539,
13.3134

■ 28.2597, 55.2561,
13.3142

■ 29.1146, 55.6381,
16.0070

■ 30.5287, 56.2908,
19.5210

■ 32.6437, 57.2860,
23.9199

■ 35.5447, 58.6663,
29.2591

■ 39.3040, 60.4681,
35.5894

■ 43.9854, 62.7232,
42.9578

■ 49.6466, 65.4604,
51.4084

■ 56.3402, 68.7062,
60.9827

■ 64.1152, 72.4847,
71.7199

Harmonies

Analogous

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



40.5478, 55.2539, 4.6021



28.2585, 55.2539, 13.3134



22.9935, 55.2539, 42.5698

Triad

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



28.2585, 55.2539, 13.3134



45.9488, 55.2539, 247.1909



97.7753, 55.2539, 30.0561

Complementary

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



28.2585, 55.2539, 13.3134



38.7479, 19.1588, 38.7024

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.



100.2913, 55.2539, 82.0352



28.2585, 55.2539, 13.3134



66.6368, 55.2539, 235.2769

Square

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



28.2585, 55.2539, 13.3134



31.3438, 55.2539, 189.7837



87.7524, 55.2539, 163.3713



81.5624, 55.2539, 9.1302

Rectangle

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



28.2585, 55.2539, 13.3134



22.9586, 55.2539, 80.8308



87.7524, 55.2539, 163.3713



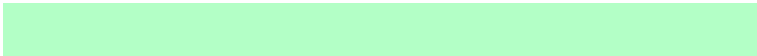
100.3846, 55.2539, 43.3562

Sweetspot

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



28.2598, 55.2562, 13.3147



64.4725, 85.1392, 66.6941



44.1027, 63.5147, 9.9352



13.0985, 17.8839, 13.2411



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.



28.2598, 55.2562, 13.3147



36.7517, 71.9167, 17.1420



34.7500, 57.8522, 47.4914



14.3423, 16.1504, 16.0674



16.5211, 32.2405, 7.9782



1.2581, 2.3974, 0.7859

Inverse Universe

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



38.7479, 19.1588, 38.7024



50.3949, 24.9220, 50.1392



32.4122, 16.6246, 5.3394



14.8267, 14.5479, 17.2880



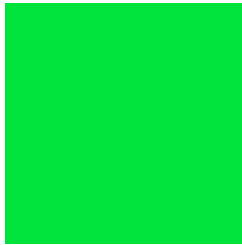
22.6470, 11.1930, 22.8339



1.7110, 0.8421, 1.8845

Previews

White Background



This preview shows how the XYZ color 28.2585, 55.2539, 13.3134 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 28.2585, 55.2539, 13.3134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

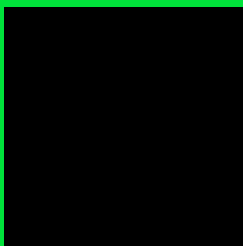
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

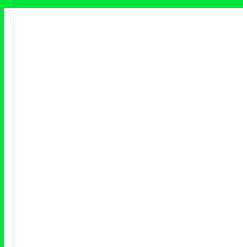
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.2585, 55.2539, 13.3134

Background



This preview shows how black text looks on a background with the XYZ color 28.2585, 55.2539, 13.3134.



This preview shows how white text looks on a background with the XYZ color 28.2585, 55.2539,

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

28.2585, 55.2539, 13.3134

Protanopia

49.0261, 54.1747, 11.0048

Deuteranopia

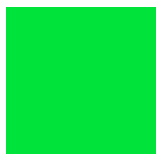
55.2714, 54.0970, 14.3661



Tritanopia

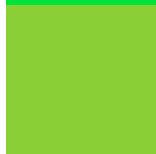
42.2005, 55.0713, 82.5344

Trichromacy



Original Color

28.2585, 55.2539, 13.3134



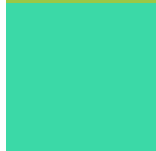
Protanomaly

33.6261, 50.3810, 11.4422



Deuteranomaly

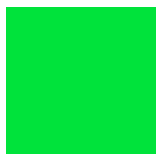
35.0862, 48.6208, 13.3299



Tritanomaly

33.5915, 53.3455, 45.0855

Monochromacy



Original Color

28.2585, 55.2539, 13.3134



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 28.2585, 55.2539, 13.3134 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, 59)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 59)  
}
```

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, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 59) }
```

Border

The CSS property to change the border of an element to XYZ 28.2585, 55.2539, 13.3134 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, 59) }
```


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

```
.border{ border-color:rgb(0, 227, 59) }
```

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, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 59);  
box-shadow:4px 4px 4px 4px rgb(0, 227, 59)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.2585, 55.2539, 13.3134 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, 59) }
```

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

```
.background{ background-color: rgb(0, 227,  
59) }
```

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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