

Converting Colors

XYZ(29.0503, 56.8994, 13.3866)

Have a look what the booklet for
XYZ(29.0503, 56.8994, 13.3866)
contains.

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Color

**XYZ(29.0353, 56.8890,
13.3213)**

Conversions

Conversions Part 1

Format	Color
Hex	00E639
RGB	0, 230, 57
RGB Percent	0%, 90%, 22%
CMY	1.0000, 0.0980, 0.7764
CMYK	1.00, 0.00, 0.75, 0.10
HSL	135°, 100%, 45%
HSV	135°, 100%, 90%
XYZ	29.0353, 56.8890, 13.3213
YIQ	141.5080, -81.5470, -102.5630

Conversions

Conversions Part 2

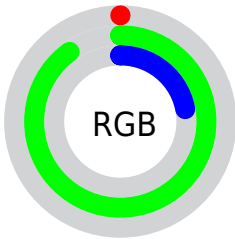
Format	Color
RYB	0, 184, 230
Decimal	58937
CIELab	80.12, -77.55, 66.43
CIELCh	80, 102.117, 139.417
Yxy	56.8890, 0.2926, 0.5732
Android (android.graphics.Color)	4278249017 (0xFF00E639)
YUV	141.5080, -41.6624, -124.1025
Hunter-Lab	75.4248, -63.2786, 42.3257

Details

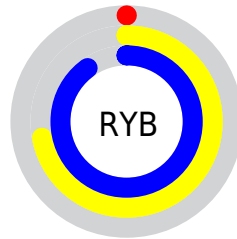
The XYZ color **29.0353, 56.8890, 13.3213** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **40.1770, 19.8407, 41.2460**, and the grayscale version is **25.7003, 27.0387, 29.4452**.

A 20% lighter version of the original color is **45.4101, 76.1373, 28.5223**, and **14.9436, 29.8871, 4.9812** is the 20% darker color. If you saturate the color by 10%, you get **29.0366, 56.8913, 13.3225**, and if you desaturate by 10%, it is **29.8977, 57.2766, 16.0126**.

Distribution



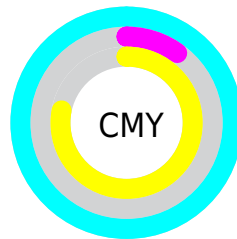
- Red (0%)
- Green (90%)
- Blue (22%)



- Red (0%)
- Yellow (72%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (75%)
- Black (10%)



- Cyan (100%)
- Magenta (10%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0353, 56.8890, 13.3213 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 29.0353, 56.8890, 13.3213 by changing the saturation by 10% instead.

■ 29.0353, 56.8890,
13.3213

■ 29.0353, 56.8890,
13.3213

289.3727,
413.0332, 224.2464

■ 19.2519, 40.9161,
7.5168

■ 57.5303, 100.3032,
32.5794

■ 11.9576, 28.2536,
3.7041

■ 76.9727, 128.5133,
46.8702

■ 6.7868, 18.5169,
1.4644

■ 100.3655,
161.5713, 64.8268

■ 3.3742, 11.3217,
0.1912

■ 128.0740,
199.8616, 86.8678

■ 1.3546, 6.2837,
0.0000

■ 160.4637,
243.7685, 113.4117

■ 0.2235, 3.0183,
0.0000

197.8997,

■ 0.0000, 1.1413,

293.6765, 144.8770

0.0000

240.7476,
349.9700, 181.6824

■ 0.0000, 0.0130,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.0353, 56.8890,
13.3213

■ 29.0353, 56.8890,
13.3213

■ 29.0366, 56.8913,
13.3225

■ 29.8977, 57.2766,
16.0126

■ 31.3393, 57.9426,
19.5676

■ 33.5076, 58.9633,
24.0566

■ 36.4910, 60.3830,
29.5403

■ 40.3649, 62.2394,
36.0740

■ 45.1956, 64.5658,
43.7088

■ 51.0431, 67.3919,
52.4927

■ 57.9622, 70.7452,
62.4705

■ 66.0041, 74.6510,
73.6848

Harmonies

Analogous

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



41.8387, 56.8890, 4.5513



29.0353, 56.8890, 13.3213



23.5221, 56.8890, 43.2022

Triad

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



29.0353, 56.8890, 13.3213



47.0555, 56.8890, 256.4493



101.2253, 56.8890, 31.1410

Complementary

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



29.0353, 56.8890, 13.3213



40.1770, 19.8407, 41.2460

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.



103.6658, 56.8890, 85.4428



29.0353, 56.8890, 13.3213



68.4821, 56.8890, 244.8584

Square

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



29.0353, 56.8890, 13.3213



32.0083, 56.8890, 195.9543



90.4758, 56.8890, 170.2880



84.4758, 56.8890, 9.3273

Rectangle

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



29.0353, 56.8890, 13.3213



23.4411, 56.8890, 82.6306



90.4758, 56.8890, 170.2880



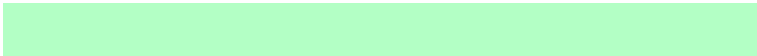
103.8840, 56.8890, 45.0323

Sweetspot

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



29.0366, 56.8913, 13.3226



64.3660, 85.0966, 66.1333



46.2786, 65.8653, 10.2741



13.0738, 17.8741, 13.1114



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.



29.0366, 56.8913, 13.3226



36.6629, 71.8811, 16.6744



35.4284, 59.4481, 46.9812



14.3351, 16.1475, 16.0294



16.4792, 32.2238, 7.7580



1.2542, 2.3958, 0.7651

Inverse Universe

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



40.1770, 19.8407, 41.2460



50.7321, 25.0568, 51.9145



33.4858, 17.1642, 6.0105



14.8344, 14.5510, 17.3285



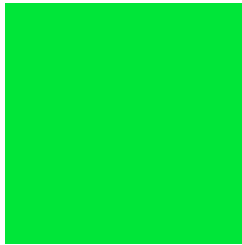
22.7962, 11.2527, 23.6194



1.7209, 0.8461, 1.9369

Previews

White Background



This preview shows how the XYZ color 29.0353, 56.8890, 13.3213 looks on a white background.

Color Contrast Check

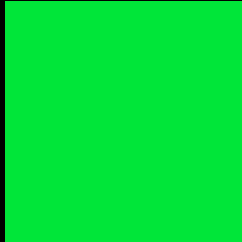
Large Text (above 18pt) WCAG AA × Fail

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 29.0353, 56.8890, 13.3213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

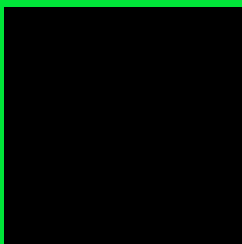
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.0353, 56.8890, 13.3213

Background



This preview shows how black text looks on a background with the XYZ color 29.0353, 56.8890, 13.3213.



This preview shows how white text looks on a background with the XYZ color 29.0353, 56.8890,

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

29.0353, 56.8890, 13.3213

Protanopia

50.3394, 55.5264, 10.9702

Deuteranopia

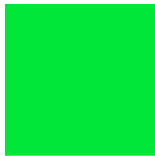
56.6625, 55.4475, 14.1946



Tritanopia

43.3314, 56.3522, 84.9372

Trichromacy



Original Color

29.0353, 56.8890, 13.3213



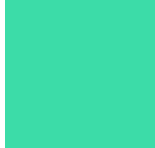
Protanomaly

34.4048, 51.5116, 11.3782



Deuteranomaly

36.1096, 50.1971, 13.2547



Tritanomaly

34.5246, 54.9742, 45.8372

Monochromacy



Original Color

29.0353, 56.8890, 13.3213



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

22.2217, 33.5935, 20.3519

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0353, 56.8890, 13.3213 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, 230, 57)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 57)  
}
```

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, 230, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 57) }
```

Border

The CSS property to change the border of an element to XYZ 29.0353, 56.8890, 13.3213 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, 230, 57) }
```


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

```
.border{ border-color:rgb(0, 230, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 230, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 230, 57); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 230, 57); box-shadow:4px 4px 4px 4px rgb(0, 230, 57) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0353, 56.8890, 13.3213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 230, 57) }
```

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

```
.background{ background-color: rgb(0, 230,  
57) }
```

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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