

Converting Colors

XYZ(28.5908, 55.4073, 13.3160)

Have a look what the booklet for
XYZ(28.5908, 55.4073, 13.3160)
contains.

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Color

**XYZ(28.6119, 55.4361,
13.3299)**

Conversions

Conversions Part 1

Format	Color
Hex	17E33B
RGB	23, 227, 59
RGB Percent	9%, 89%, 23%
CMY	0.9098, 0.1098, 0.7686
CMYK	0.90, 0.00, 0.74, 0.11
HSL	131°, 82%, 49%
HSV	131°, 90%, 89%
XYZ	28.6119, 55.4361, 13.3299
YIQ	146.8520, -67.6560, -95.4960

Conversions

Conversions Part 2

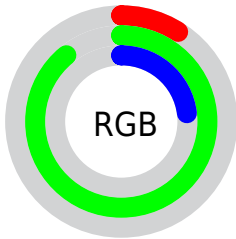
Format	Color
R_{YB}	23, 196, 227
Decimal	1565499
CIE Lab	79.29, -75.64, 64.99
CIE LCh	79, 99.725, 139.332
Yxy	55.4361, 0.2938, 0.5693
Android (android.graphics.Color)	4279755579 (0xFF17E33B)
YUV	146.8520, -43.3110, -108.6182
Hunter-Lab	74.4554, -61.7026, 41.5040

Details

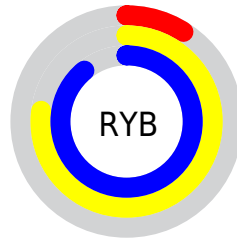
The XYZ color **28.6119, 55.4361, 13.3299** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **41.3905, 20.7062, 51.1066**, and the grayscale version is **27.8671, 29.3183, 31.9277**.

A 20% lighter version of the original color is **45.9826, 76.4258, 28.8511**, and **14.3747, 28.7495, 4.7916** is the 20% darker color. If you saturate the color by 10%, you get **27.8623, 55.0976, 11.2019**, and if you desaturate by 10%, it is **29.9481, 56.0601, 16.3938**.

Distribution



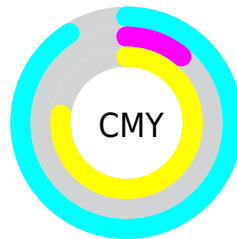
- Red (9%)
- Green (89%)
- Blue (23%)



- Red (9%)
- Yellow (77%)
- Blue (89%)



- Cyan (90%)
- Magenta (0%)
- Yellow (74%)
- Black (11%)



- Cyan (91%)
- Magenta (11%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6119, 55.4361, 13.3299 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 28.6119, 55.4361, 13.3299 by changing the saturation by 10% instead.

■ 28.6119, 55.4361,
13.3299

■ 28.6119, 55.4361,
13.3299

287.4067,
407.5629, 224.3028

■ 18.9302, 39.7510,
7.5227

■ 56.8617, 98.1796,
32.5950

■ 11.7236, 27.3444,
3.7077

■ 76.1606, 126.0068,
46.8901

■ 6.6266, 17.8321,
1.4664

■ 99.3959, 158.6502,
64.8515

■ 3.2739, 10.8295,
0.1927

■ 126.9331,
196.4940, 86.8978

■ 1.3002, 5.9523,
0.0000

■ 159.1374,
239.9229, 113.4475

■ 0.1834, 2.8161,
0.0000

196.3742,

■ 0.0000, 1.0365,

289.3210, 144.9193

0.0000

239.0088,
345.0729, 181.7315

■ 0.0000, 0.0000,
0.0000

■ 28.6119, 55.4361,
13.3299

■ 28.6119, 55.4361,
13.3299

■ 27.8623, 55.0976,
11.2019

■ 29.9481, 56.0601,
16.3938


■ 27.8542, 55.0940,
11.1791


■ 32.0120, 57.0357,
20.4837


■ 34.8946, 58.4097,
25.6816


■ 38.6724, 60.2200,
32.0605

■ 43.4127, 62.4998,
39.6868

 49.1764, 65.2793,
48.6223

 56.0193, 68.5860,
58.9243

 63.9931, 72.4454,
70.6471

 73.1463, 76.8815,
83.8417

Harmonies

Analogous

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



40.9790, 55.4361, 4.7073



28.6119, 55.4361, 13.3299



23.2581, 55.4361, 42.2147

Triad

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



28.6119, 55.4361, 13.3299



45.9005, 55.4361, 245.6148



97.8355, 55.4361, 30.7957

Complementary

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



28.6119, 55.4361, 13.3299



41.3905, 20.7062, 51.1066

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.



100.1202, 55.4361, 83.0785



28.6119, 55.4361, 13.3299



66.4441, 55.4361, 234.8221

Square

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



28.6119, 55.4361, 13.3299



31.4286, 55.4361, 188.0041



87.4907, 55.4361, 164.0559



81.8664, 55.4361, 9.4836

Rectangle

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



28.6119, 55.4361, 13.3299



23.1682, 55.4361, 79.9962



87.4907, 55.4361, 164.0559



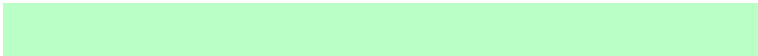
100.3587, 55.4361, 44.2336

Sweetspot

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



28.6132, 55.4384, 13.3312



66.2739, 86.0690, 66.7281



49.6182, 66.3402, 11.0006



13.5725, 18.1264, 13.3497



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.



28.6132, 55.4384, 13.3312



36.2337, 71.7095, 14.4145



34.0820, 57.6259, 42.1294



14.2926, 16.1305, 15.8058



16.2741, 32.1417, 6.6775



1.2331, 2.3874, 0.6543

Inverse Universe

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



41.3905, 20.7062, 51.1066



52.8725, 25.9130, 63.1862



33.8748, 17.6999, 11.5295



14.8802, 14.5693, 17.5696



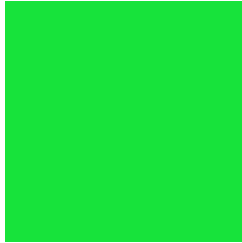
23.7414, 11.6308, 28.5967



1.7831, 0.8710, 2.2646

Previews

White Background



This preview shows how the XYZ color 28.6119, 55.4361, 13.3299 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 28.6119, 55.4361, 13.3299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

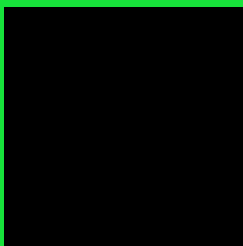
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.6119, 55.4361, 13.3299

Background



This preview shows how black text looks on a background with the XYZ color 28.6119, 55.4361, 13.3299.



This preview shows how white text looks on a background with the XYZ color 28.6119, 55.4361,

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

28.6119, 55.4361, 13.3299

Protanopia

49.0261, 54.1747, 11.0048

Deuteranopia

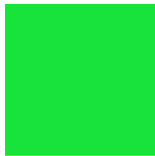
55.2369, 54.0832, 14.1844



Tritanopia

42.4057, 55.1770, 82.5440

Trichromacy



Original Color

28.6119, 55.4361, 13.3299



Protanomaly

35.0113, 51.0950, 11.5071



Deuteranomaly

36.6287, 49.4196, 13.2386



Tritanomaly

34.2421, 53.6809, 45.1159

Monochromacy



Original Color

28.6119, 55.4361, 13.3299



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

24.0993, 35.1133, 21.7270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6119, 55.4361, 13.3299 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(23, 227, 59)` looks like.

```
.text, #text, p{  
    color:rgb(23, 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(23, 227, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 227, 59) }
```

Border

The CSS property to change the border of an element to XYZ 28.6119, 55.4361, 13.3299 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(23, 227, 59) }
```


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

```
.border{ border-color:rgb(23, 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(23, 227, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 227, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 227, 59);  
box-shadow:4px 4px 4px 4px rgb(23, 227,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6119, 55.4361, 13.3299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 227, 59) }
```

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

```
.background{ background-color: rgb(23, 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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