

Converting Colors

XYZ(29.3003, 55.8528, 10.0294)

Have a look what the booklet for
XYZ(29.3003, 55.8528, 10.0294)
contains.

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Color

**XYZ(29.3111, 55.8699,
10.0497)**

Conversions

Conversions Part 1

Format	Color
Hex	39E317
RGB	57, 227, 23
RGB Percent	22%, 89%, 9%
CMY	0.7765, 0.1098, 0.9097
CMYK	0.75, 0.00, 0.90, 0.11
HSL	110°, 82%, 49%
HSV	110°, 90%, 89%
XYZ	29.3111, 55.8699, 10.0497
YIQ	152.9140, -35.8360, -99.4840

Conversions

Conversions Part 2

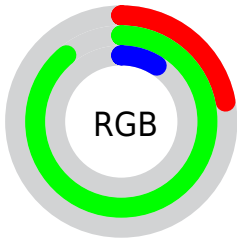
Format	Color
RYB	23, 227, 193
Decimal	3793687
CIELab	79.54, -74.00, 74.34
CIElCh	80, 104.894, 134.870
Yxy	55.8699, 0.3078, 0.5867
Android (android.graphics.Color)	4281983767 (0xFF39E317)
YUV	152.9140, -64.0476, -84.1166
Hunter-Lab	74.7462, -60.8085, 44.3507

Details

The XYZ color **29.3111, 55.8699, 10.0497** 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 **36.1698, 17.4998, 74.1475**, and the grayscale version is **30.5240, 32.1136, 34.9717**.

A 20% lighter version of the original color is **47.1405, 77.1534, 22.9972**, and **14.3747, 28.7495, 4.7916** is the 20% darker color. If you saturate the color by 10%, you get **28.2743, 55.3548, 9.2034**, and if you desaturate by 10%, it is **30.9318, 56.6686, 11.8634**.

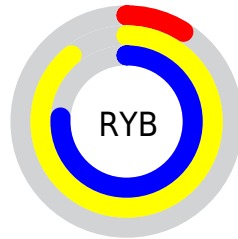
Distribution



Red (22%)

Green (89%)

Blue (9%)



Red (9%)

Yellow (89%)

Blue (76%)

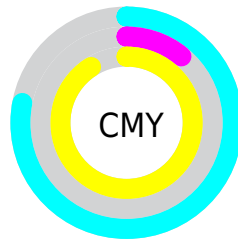


Cyan (75%)

Magenta (0%)

Yellow (90%)

Black (11%)



Cyan (78%)


Magenta (11%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.3111, 55.8699, 10.0497 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 29.3111, 55.8699, 10.0497 by changing the saturation by 10% instead.


 29.3111, 55.8699,
10.0497


 29.3111, 55.8699,
10.0497


290.6478,
409.2010, 201.5241


 19.4618, 40.0986,
5.3259


 57.9651, 98.8143,
26.4982


 12.1104, 27.6154,
2.3776


 77.5005, 126.7563,
39.0600


 6.8916, 18.0360,
0.7742


 100.9954,
159.5239, 55.0715

 3.4401, 10.9758,
0.0000

 128.8149,
197.5016, 74.9513

 1.3906, 6.0506,
0.0000

 161.3246,
241.0738, 99.1179

 0.2495, 2.8759,
0.0000

 198.8897,

 0.0000, 1.0673,

290.6248, 127.9899

0.0000

241.8757,
346.5391, 161.9858

■ 0.0000, 0.0000,
0.0000

■ 29.3111, 55.8699,
10.0497

■ 29.3111, 55.8699,
10.0497

■ 28.2743, 55.3548,
9.2034

■ 30.9318, 56.6686,
11.8634

■ 28.2629, 55.3491,
9.1938

■ 33.2288, 57.7871,
14.9385

■ 36.2713, 59.2589,
19.4505

■ 40.1187, 61.1113,
25.5464

■ 44.8239, 63.3690,
33.3550

■ 50.4356, 66.0544,
42.9919

■ 56.9985, 69.1884,
54.5626

■ 64.5543, 72.7903,
68.1645

■ 73.1424, 76.8785,
83.8887

Harmonies

Analogous

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



43.3551, 55.8699, 3.4591



29.3111, 55.8699, 10.0497



22.7734, 55.8699, 35.2625

Triad

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



29.3111, 55.8699, 10.0497



43.2000, 55.8699, 256.1085



102.7692, 55.8699, 35.6176

Complementary

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



29.3111, 55.8699, 10.0497



36.1698, 17.4998, 74.1475

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.



102.6953, 55.8699, 96.4861



29.3111, 55.8699, 10.0497



64.2117, 55.8699, 256.4643

Square

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



29.3111, 55.8699, 10.0497



29.2236, 55.8699, 185.1702



87.1832, 55.8699, 185.9541



87.3644, 55.8699, 10.1623

Rectangle

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



29.3111, 55.8699, 10.0497



22.0643, 55.8699, 71.2419



87.1832, 55.8699, 185.9541



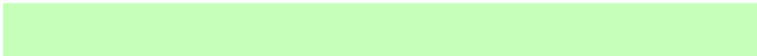
104.6636, 55.8699, 51.4905

Sweetspot

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



29.3124, 55.8722, 10.0510



67.8276, 87.0258, 59.7608



50.9060, 54.5361, 8.6549



13.9269, 18.3446, 11.7595



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.



29.3124, 55.8722, 10.0510



36.7347, 72.0225, 11.9656



29.7128, 55.8783, 19.1198



14.4119, 16.2039, 15.2725



16.5479, 32.3122, 5.3647



1.2902, 2.4225, 0.3996

Inverse Universe

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



36.1698, 17.4998, 74.1475



45.3507, 21.2940, 96.3277



38.2453, 19.4485, 34.5428



14.7470, 14.4873, 18.1634



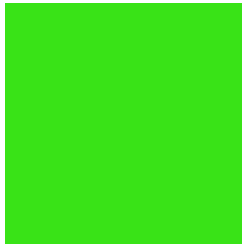
20.4372, 9.6017, 43.1593



1.5731, 0.7419, 3.1923

Previews

White Background



This preview shows how the XYZ color 29.3111, 55.8699, 10.0497 looks on a white background.

Color Contrast Check

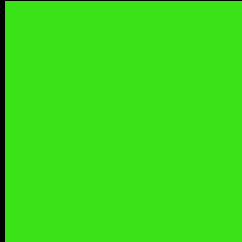
Large Text (above 18pt) WCAG AA × Fail

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 29.3111, 55.8699, 10.0497 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 29.3111, 55.8699, 10.0497

Background



This preview shows how black text looks on a background with the XYZ color 29.3111, 55.8699, 10.0497.



This preview shows how white text looks on a background with the XYZ color 29.3111, 55.8699,

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

29.3111, 55.8699, 10.0497

Protanopia

49.2825, 54.7065, 8.1055

Deuteranopia

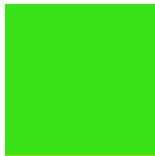
55.6478, 54.3674, 10.9292



Tritanopia

43.4822, 55.3781, 81.7961

Trichromacy



Original Color

29.3111, 55.8699, 10.0497



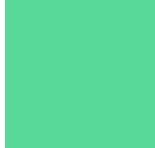
Protanomaly

37.0771, 52.2293, 8.4749



Deuteranomaly

39.2037, 50.8228, 9.9340



Tritanomaly

34.6824, 54.0495, 38.7416

Monochromacy



Original Color

29.3111, 55.8699, 10.0497



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

26.3940, 37.5347, 19.4895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3111, 55.8699, 10.0497 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(57, 227, 23)` looks like.

```
.text, #text, p{  
    color:rgb(57, 227, 23)  
}
```

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(57, 227, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 227, 23) }
```

Border

The CSS property to change the border of an element to XYZ 29.3111, 55.8699, 10.0497 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(57, 227, 23) }
```


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

```
.border{ border-color:rgb(57, 227, 23) }
```

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

Here you see how a box with a 4 pixel rgb(57, 227, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 227, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 227, 23);  
box-shadow:4px 4px 4px 4px rgb(57, 227,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3111, 55.8699, 10.0497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 227, 23) }
```

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

```
.background{ background-color: rgb(57, 227,  
23) }
```

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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