

Converting Colors

XYZ(29.8339, 55.6755, 13.3640)

Have a look what the booklet for
XYZ(29.8339, 55.6755, 13.3640)
contains.

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Color

**XYZ(29.7894, 55.6383,
13.3069)**

Conversions

Conversions Part 1

Format	Color
Hex	3BE23B
RGB	59, 226, 59
RGB Percent	23%, 89%, 23%
CMY	0.7686, 0.1137, 0.7686
CMYK	0.74, 0.00, 0.74, 0.11
HSL	120°, 74%, 56%
HSV	120°, 74%, 89%
XYZ	29.7894, 55.6383, 13.3069
YIQ	157.0290, -45.9250, -87.3410

Conversions

Conversions Part 2

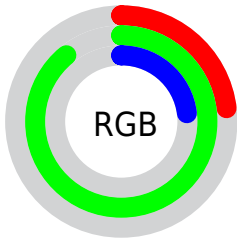
Format	Color
RYB	59, 226, 226
Decimal	3924539
CIELab	79.41, -71.61, 65.24
CIElCh	79, 96.872, 137.661
Yxy	55.6383, 0.3017, 0.5635
Android (android.graphics.Color)	4282114619 (0xFF3BE23B)
YUV	157.0290, -48.3283, -85.9714
Hunter-Lab	74.5911, -59.2470, 41.6365

Details

The XYZ color **29.7894, 55.6383, 13.3069** 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 **46.6564, 24.7882, 74.2754**, and the grayscale version is **32.2877, 33.9692, 36.9925**.

A 20% lighter version of the original color is **48.2725, 77.6062, 28.9583**, and **14.1880, 28.3759, 4.7293** is the 20% darker color. If you saturate the color by 10%, you get **28.2638, 54.9071, 10.8103**, and if you desaturate by 10%, it is **32.1506, 56.7742, 17.1683**.

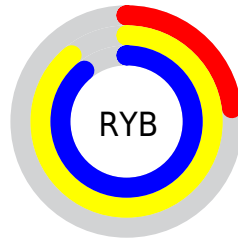
Distribution



Red (23%)

Green (89%)

Blue (23%)



Red (23%)

Yellow (89%)

Blue (89%)

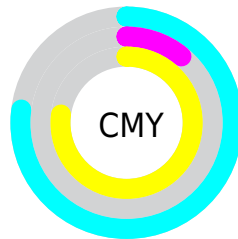


Cyan (74%)

Magenta (0%)

Yellow (74%)

Black (11%)



Cyan (77%)

Magenta (11%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7894, 55.6383, 13.3069 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 29.7894, 55.6383, 13.3069 by changing the saturation by 10% instead.

■ 29.7894, 55.6383,
13.3069

■ 29.7894, 55.6383,
13.3069

292.8490,
408.3270, 224.1518

■ 19.8261, 39.9130,
7.5070

■ 58.7179, 98.4755,
32.5533

■ 12.3762, 27.4707,
3.6979

■ 78.4137, 126.3563,
46.8369

■ 7.0744, 17.9271,
1.4611

■ 102.0845,
159.0576, 64.7854

■ 3.5554, 10.8976,
0.1887

■ 130.0955,
196.9639, 86.8175

■ 1.4538, 5.9980,
0.0000

■ 162.8121,
240.4596, 113.3516

■ 0.2941, 2.8439,
0.0000

200.5996,

■ 0.0000, 1.0508,

289.9291, 144.8063

0.0000

243.8235,
345.7567, 181.6002

■ 0.0000, 0.0000,
0.0000

■ 29.7894, 55.6383,
13.3069

■ 29.7894, 55.6383,
13.3069

■ 28.2638, 54.9071,
10.8103

■ 32.1506, 56.7742,
17.1683

■ 27.4535, 54.5179,
9.4847

■ 35.4389, 58.3537,
22.5471

■ 27.1975, 54.3950,
9.0661

■ 39.7384, 60.4190,
29.5798

■ 45.1225, 63.0053,
38.3865

■ 51.6580, 66.1446,
49.0764

■ 59.4062, 69.8664,
61.7497

■ 68.4240, 74.1982,
76.4997

■ 78.7649, 79.1654,
93.4137

■ 86.4875, 82.8750,
106.0458

Harmonies

Analogous

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



42.3356, 55.6383, 5.1203



29.7894, 55.6383, 13.3069



24.1314, 55.6383, 40.4670

Triad

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



29.7894, 55.6383, 13.3069



45.2919, 55.6383, 236.8228



97.0833, 55.6383, 33.5655

Complementary

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



29.7894, 55.6383, 13.3069



46.6564, 24.7882, 74.2754

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.



98.4361, 55.6383, 86.4507



29.7894, 55.6383, 13.3069



65.0501, 55.6383, 230.4966

Square

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



29.7894, 55.6383, 13.3069



31.4947, 55.6383, 179.1282



85.5954, 55.6383, 165.0371



82.2570, 55.6383, 10.9089

Rectangle

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



29.7894, 55.6383, 13.3069



23.8188, 55.6383, 75.9986



85.5954, 55.6383, 165.0371



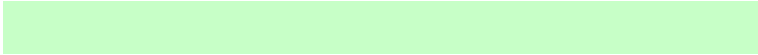
99.2398, 55.6383, 47.4031

Sweetspot

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



29.7907, 55.6406, 13.3082



69.5841, 87.7674, 67.2466



59.3522, 70.8802, 14.6907



14.3424, 18.5209, 13.4915



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.



29.7907, 55.6406, 13.3082



36.4506, 71.8517, 13.0499



33.9214, 57.2929, 35.0601



13.5289, 15.3373, 14.5542



15.5156, 31.0311, 5.1720



1.0755, 2.1509, 0.3585

Inverse Universe

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



46.6564, 24.7882, 74.2754



59.7050, 29.3123, 97.1113



37.8496, 21.2655, 27.8990



14.2951, 13.9357, 17.3240



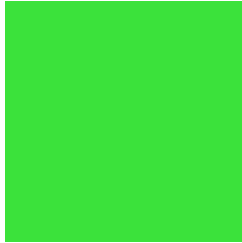
25.7240, 12.3566, 42.0741



1.7831, 0.8565, 2.9164

Previews

White Background



This preview shows how the XYZ color 29.7894, 55.6383, 13.3069 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 29.7894, 55.6383, 13.3069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

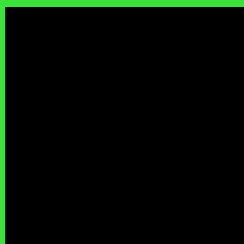
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.7894, 55.6383, 13.3069

Background



This preview shows how black text looks on a background with the XYZ color 29.7894, 55.6383, 13.3069.

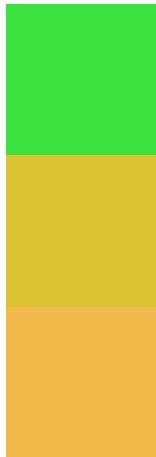


This preview shows how white text looks on a background with the XYZ color 29.7894, 55.6383,

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

29.7894, 55.6383, 13.3069

Protanopia

49.3261, 54.3293, 11.0188

Deuteranopia

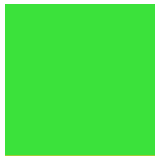
55.5811, 54.2606, 14.2005



Tritanopia

43.3613, 55.3158, 81.7904

Trichromacy



Original Color

29.7894, 55.6383, 13.3069



Protanomaly

37.4351, 51.9860, 11.5513



Deuteranomaly

39.6330, 50.9683, 13.3792



Tritanomaly

35.7474, 54.0754, 45.1127

Monochromacy



Original Color

29.7894, 55.6383, 13.3069



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

28.0643, 38.9013, 24.1187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7894, 55.6383, 13.3069 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(59, 226, 59)` looks like.

```
.text, #text, p{  
    color:rgb(59, 226, 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(59, 226, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 226, 59) }
```

Border

The CSS property to change the border of an element to XYZ 29.7894, 55.6383, 13.3069 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(59, 226, 59) }
```


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

```
.border{ border-color:rgb(59, 226, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 226, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 226, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 226, 59);  
box-shadow:4px 4px 4px 4px rgb(59, 226,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7894, 55.6383, 13.3069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 226, 59) }
```

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

```
.background{ background-color: rgb(59, 226,  
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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