

Converting Colors

XYZ(29.1067, 55.4904, 12.6752)

Have a look what the booklet for
XYZ(29.1067, 55.4904, 12.6752)
contains.

XYZ(28.9889, 55.2399, 12.6245)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.9889, 55.2399,
12.6245)**

Conversions

Conversions Part 1

Format	Color
Hex	2EE236
RGB	46, 226, 54
RGB Percent	18%, 89%, 21%
CMY	0.8196, 0.1137, 0.7882
CMYK	0.80, 0.00, 0.76, 0.11
HSL	123°, 76%, 53%
HSV	123°, 80%, 89%
XYZ	28.9889, 55.2399, 12.6245
YIQ	152.5720, -52.0680, -91.6520

Conversions

Conversions Part 2

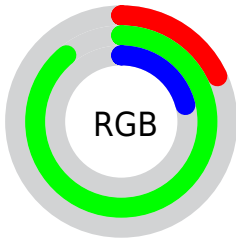
Format	Color
RYB	46, 218, 226
Decimal	3072566
CIELab	79.18, -73.69, 66.58
CIElCh	79, 99.312, 137.903
Yxy	55.2399, 0.2993, 0.5703
Android (android.graphics.Color)	4281262646 (0xFF2EE236)
YUV	152.5720, -48.5960, -93.4636
Hunter-Lab	74.3235, -60.4447, 41.9556

Details

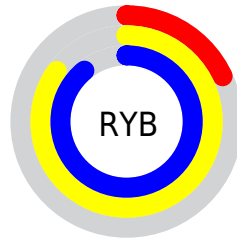
The XYZ color **28.9889, 55.2399, 12.6245** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **44.9968, 23.1852, 68.4313**, and the grayscale version is **30.3141, 31.8928, 34.7312**.

A 20% lighter version of the original color is **46.9968, 76.9749, 27.7099**, and **14.1880, 28.3759, 4.7293** is the 20% darker color. If you saturate the color by 10%, you get **27.8264, 54.6884, 10.4853**, and if you desaturate by 10%, it is **30.9142, 56.1619, 15.9761**.

Distribution



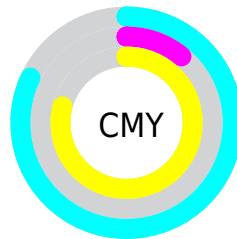
- Red (18%)
- Green (89%)
- Blue (21%)



- Red (18%)
- Yellow (85%)
- Blue (89%)



- Cyan (80%)
- Magenta (0%)
- Yellow (76%)
- Black (11%)





- Cyan (82%)
- Magenta (11%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.9889, 55.2399, 12.6245 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 28.9889, 55.2399, 12.6245 by changing the saturation by 10% instead.


 28.9889, 55.2399,
12.6245


 28.9889, 55.2399,
12.6245


289.1577,
406.8207, 219.6196


 19.2167, 39.5938,
7.0428


 57.4571, 97.8924,
31.3087

 11.9319, 27.2220,
3.4100


 76.8838, 125.6675,
45.2484


 6.7692, 17.7400,
1.3076


 100.2594,
158.2545, 62.8111

 3.3632, 10.7635,
0.0680

 127.9492,
196.0377, 84.4154

 1.3486, 5.9080,
0.0000

 160.3186,
239.4016, 110.4799

 0.2192, 2.7892,
0.0000

197.7329,

 0.0000, 1.0227,

288.7304, 141.4230

0.0000

240.5575,
344.4086, 177.6634

■ 0.0000, 0.0000,
0.0000

■ 28.9889, 55.2399,
12.6245

■ 28.9889, 55.2399,
12.6245

■ 27.8264, 54.6884,
10.4853

■ 30.9142, 56.1619,
15.9761

■ 27.2668, 54.4238,
9.3788


■ 33.6985, 57.4961,
20.6793


■ 27.2526, 54.4170,
9.3559


■ 37.4284, 59.2860,
26.8580


■ 42.1784, 61.5678,
34.6217

■ 48.0160, 64.3741,
44.0689

 55.0026, 67.7347,
55.2907

 63.1952, 71.6771,
68.3712

 72.6471, 76.2271,
83.3894

 83.4081, 81.4088,
100.4197

Harmonies

Analogous

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



41.6330, 55.2399, 4.5885



28.9889, 55.2399, 12.6245



23.3495, 55.2399, 40.0422

Triad

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



28.9889, 55.2399, 12.6245



44.9119, 55.2399, 242.5697



97.7868, 55.2399, 32.4354

Complementary

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



28.9889, 55.2399, 12.6245



44.9968, 23.1852, 68.4313

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.



99.3079, 55.2399, 86.0560



28.9889, 55.2399, 12.6245



65.1193, 55.2399, 235.3877

Square

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



28.9889, 55.2399, 12.6245



30.8662, 55.2399, 183.0079



86.1829, 55.2399, 167.0697



82.4379, 55.2399, 10.0585

Rectangle

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



28.9889, 55.2399, 12.6245



23.0684, 55.2399, 76.4463



86.1829, 55.2399, 167.0697



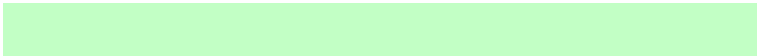
100.0507, 55.2399, 46.3464

Sweetspot

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



28.9902, 55.2422, 12.6257



67.9802, 86.9722, 65.7412



57.2070, 69.8085, 13.0440



13.8610, 18.2840, 12.9628



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.



28.9902, 55.2422, 12.6257



36.0239, 71.6403, 12.6431



33.2068, 56.9288, 34.8302



13.5534, 15.3471, 14.6833



15.5584, 31.0482, 5.3976



1.0873, 2.1556, 0.4207

Inverse Universe

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



44.9968, 23.1852, 68.4313



57.6967, 28.0198, 88.0436



36.3717, 19.7352, 23.0120



14.2673, 13.9246, 17.1778



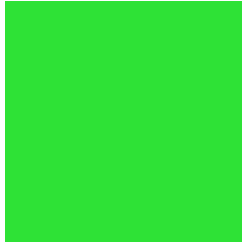
24.9726, 12.0560, 38.1169



1.7392, 0.8390, 2.6856

Previews

White Background



This preview shows how the XYZ color 28.9889, 55.2399, 12.6245 looks on a white background.

Color Contrast Check

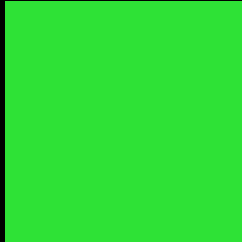
Large Text (above 18pt) WCAG AA × Fail

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 28.9889, 55.2399, 12.6245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

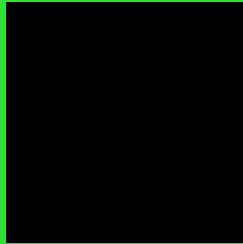
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.9889, 55.2399, 12.6245

Background



This preview shows how black text looks on a background with the XYZ color 28.9889, 55.2399, 12.6245.

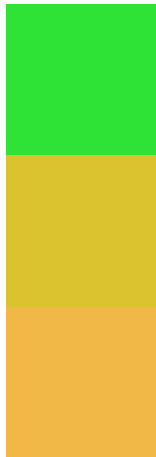


This preview shows how white text looks on a background with the XYZ color 28.9889, 55.2399,

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

28.9889, 55.2399, 12.6245

Protanopia

48.9217, 54.1329, 10.4550

Deuteranopia

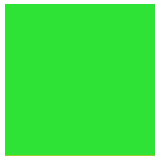
54.8958, 53.6132, 13.4163



Tritanopia

42.7773, 55.0147, 81.7631

Trichromacy



Original Color

28.9889, 55.2399, 12.6245



Protanomaly

36.1433, 51.3329, 10.9090



Deuteranomaly

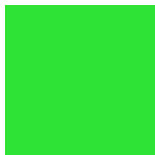
38.1721, 49.8864, 12.6182



Tritanomaly

34.8271, 53.6222, 44.1118

Monochromacy



Original Color

28.9889, 55.2399, 12.6245



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

26.4716, 37.5043, 22.6735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9889, 55.2399, 12.6245 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(46, 226, 54)` looks like.

```
.text, #text, p{  
    color:rgb(46, 226, 54)  
}
```

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(46, 226, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 226, 54) }
```

Border

The CSS property to change the border of an element to XYZ 28.9889, 55.2399, 12.6245 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(46, 226, 54) }
```


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

```
.border{ border-color:rgb(46, 226, 54) }
```

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

Here you see how a box with a 4 pixel rgb(46, 226, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 226, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 226, 54);  
box-shadow:4px 4px 4px 4px rgb(46, 226,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9889, 55.2399, 12.6245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 226, 54) }
```

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

```
.background{ background-color: rgb(46, 226,  
54) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor