

Converting Colors

XYZ(28.8349, 55.6220, 9.2164)

Have a look what the booklet for
XYZ(28.8349, 55.6220, 9.2164)
contains.

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Color

**XYZ(28.8343, 55.6420,
9.2203)**

Conversions

Conversions Part 1

Format	Color
Hex	33E300
RGB	51, 227, 0
RGB Percent	20%, 89%, 0%
CMY	0.8000, 0.1098, 0.9999
CMYK	0.78, 0.00, 1.00, 0.11
HSL	107°, 100%, 45%
HSV	107°, 100%, 89%
XYZ	28.8343, 55.6420, 9.2203
YIQ	148.4980, -32.0290, -107.9090

Conversions

Conversions Part 2

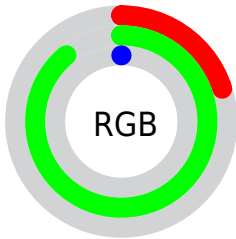
Format	Color
RYB	0, 227, 176
Decimal	3400448
CIELab	79.41, -75.28, 76.67
CIELCh	79, 107.454, 134.476
Yxy	55.6420, 0.3077, 0.5939
Android (android.graphics.Color)	4281590528 (0xFF33E300)
YUV	148.4980, -73.2095, -85.5057
Hunter-Lab	74.5936, -61.5392, 44.8868

Details

The XYZ color **28.8343, 55.6420, 9.2203** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **31.7790, 14.7814, 73.8543**, and the grayscale version is **28.6659, 30.1587, 32.8428**.

A 20% lighter version of the original color is **46.3824, 76.7973, 21.3956**, and **14.3747, 28.7495, 4.7916** is the 20% darker color. If you saturate the color by 10%, you get **28.8342, 55.6436, 9.2206**, and if you desaturate by 10%, it is **30.0483, 56.2520, 10.0706**.

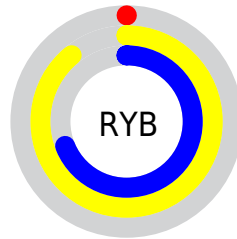
Distribution



Red (20%)

Green (89%)

Blue (0%)



Red (0%)

Yellow (89%)

Blue (69%)

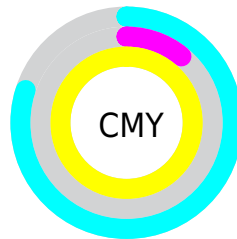


Cyan (78%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (80%)


Magenta (11%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.8343, 55.6420, 9.2203 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 28.8343, 55.6420, 9.2203 by changing the saturation by 10% instead.


 28.8343, 55.6420,
9.2203


 28.8343, 55.6420,
9.2203


288.4407,
408.3409, 195.2911


 19.0992, 39.9160,
4.7864


 57.2131, 98.4810,
24.9027


 11.8464, 27.4730,
2.0659


 76.5875, 126.3627,
36.9883

 6.7106, 17.9288,
0.5954


 99.9056, 159.0650,
52.4615

 3.3265, 10.8989,
0.0000

 127.5329,
196.9725, 71.7409

 1.3287, 5.9989,
0.0000

 159.8347,
240.4694, 95.2450

 0.2045, 2.8444,
0.0000

 197.1764,

 0.0000, 1.0510,

289.9402, 123.3924

0.0000

239.9232,
345.7692, 156.6016

■ 0.0000, 0.0000,
0.0000

■ 28.8343, 55.6420,
9.2203

■ 28.8343, 55.6420,
9.2203

■ 28.8342, 55.6436,
9.2206

■ 30.0483, 56.2520,
10.0706

■ 31.8089, 57.1215,
11.8755

■ 34.2043, 58.2910,
14.9387

■ 37.2942, 59.7876,
19.4344

■ 41.1308, 61.6349,
25.5097

■ 45.7608, 63.8543,
33.2932

■ 51.2271, 66.4653,
42.9003

■ 57.5694, 69.4862,
54.4364

■ 64.8247, 72.9337,
67.9989

Harmonies

Analogous

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



43.1853, 55.6420, 3.0075



28.8343, 55.6420, 9.2203



22.1550, 55.6420, 34.0407

Triad

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



28.8343, 55.6420, 9.2203



42.5488, 55.6420, 262.0820



104.0366, 55.6420, 35.4885

Complementary

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



28.8343, 55.6420, 9.2203



31.7790, 14.7814, 73.8543

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.



103.7289, 55.6420, 98.2391



28.8343, 55.6420, 9.2203



63.9406, 55.6420, 263.5765

Square

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



28.8343, 55.6420, 9.2203



28.4781, 55.6420, 187.6401



87.5715, 55.6420, 190.9206



88.3239, 55.6420, 9.6648

Rectangle

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



28.8343, 55.6420, 9.2203



21.3881, 55.6420, 70.3309



87.5715, 55.6420, 190.9206



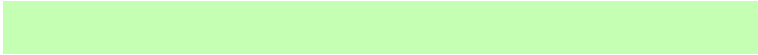
105.9156, 55.6420, 51.7832

Sweetspot

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



28.8356, 55.6443, 9.2215



66.5275, 86.4471, 55.5628



46.8246, 46.6207, 6.5317



13.5663, 18.1819, 10.6975



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.



28.8356, 55.6443, 9.2215



37.4622, 72.3975, 11.9997



28.3011, 55.2729, 13.5298



14.4905, 16.2444, 15.2762



16.8983, 32.4929, 5.3811



1.3279, 2.4419, 0.4014

Inverse Universe

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



31.7790, 14.7814, 73.8543



41.2701, 19.1904, 96.1367



38.6071, 19.1030, 37.9592



14.6620, 14.4435, 18.1594



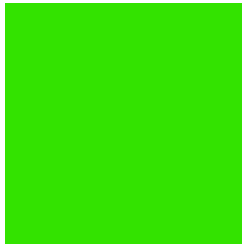
18.6367, 8.6734, 43.0751



1.4551, 0.6811, 3.1867

Previews

White Background



This preview shows how the XYZ color 28.8343, 55.6420, 9.2203 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 28.8343, 55.6420, 9.2203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

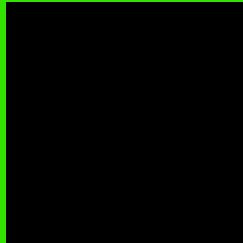
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.8343, 55.6420, 9.2203

Background



This preview shows how black text looks on a background with the XYZ color 28.8343, 55.6420, 9.2203.



This preview shows how white text looks on a background with the XYZ color 28.8343, 55.6420,

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

28.8343, 55.6420, 9.2203

Protanopia

49.0303, 54.2459, 7.8863

Deuteranopia

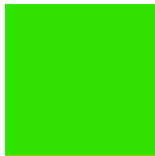
55.5595, 54.3322, 10.4646



Tritanopia

43.2417, 55.2541, 81.7848

Trichromacy



Original Color

28.8343, 55.6420, 9.2203



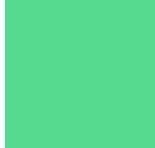
Protanomaly

36.6109, 51.9966, 8.1067



Deuteranomaly

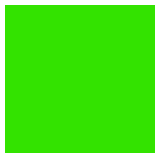
38.3572, 50.4062, 9.0040



Tritanomaly

33.7614, 53.6485, 35.3638

Monochromacy



Original Color

28.8343, 55.6420, 9.2203



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

24.5978, 35.7812, 16.4365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8343, 55.6420, 9.2203 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(51, 227, 0)` looks like.

```
.text, #text, p{  
    color:rgb(51, 227, 0)  
}
```

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(51, 227, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 227, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.8343, 55.6420, 9.2203 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(51, 227, 0) }
```


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

```
.border{ border-color:rgb(51, 227, 0) }
```

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

Here you see how a box with a 4 pixel rgb(51, 227, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 227, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 227, 0);  
box-shadow:4px 4px 4px 4px rgb(51, 227, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.8343, 55.6420, 9.2203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 227, 0) }
```

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

```
.background{ background-color: rgb(51, 227,  
0) }
```

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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