

Converting Colors

XYZ(27.7444, 55.4872, 9.2495)

Have a look what the booklet for
XYZ(27.7444, 55.4872, 9.2495)
contains.

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Color

**XYZ(27.7434, 55.4868,
9.2478)**

Conversions

Conversions Part 1

Format	Color
Hex	00E400
RGB	0, 228, 0
RGB Percent	0%, 89%, 0%
CMY	1.0000, 0.1059, 0.9999
CMYK	1.00, 0.00, 1.00, 0.11
HSL	120°, 100%, 45%
HSV	120°, 100%, 89%
XYZ	27.7434, 55.4868, 9.2478
YIQ	133.8360, -62.7000, -119.2440

Conversions

Conversions Part 2

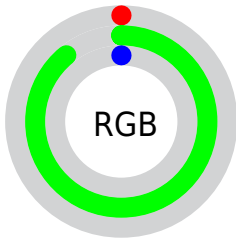
Format	Color
RYB	0, 228, 228
Decimal	58368
CIELab	79.32, -79.19, 76.43
CIELCh	79, 110.061, 136.016
Yxy	55.4868, 0.3000, 0.6000
Android (android.graphics.Color)	4278248448 (0xFF00E400)
YUV	133.8360, -65.9811, -117.3742
Hunter-Lab	74.4895, -63.8747, 44.7818

Details

The XYZ color **27.7434, 55.4868, 9.2478** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **45.9961, 22.0946, 75.2200**, and the grayscale version is **22.8533, 24.0435, 26.1833**.

A 20% lighter version of the original color is **44.1624, 75.6529, 21.2917**, and **14.5629, 29.1258, 4.8543** is the 20% darker color. If you saturate the color by 10%, you get **27.7447, 55.4891, 9.2491**, and if you desaturate by 10%, it is **28.2462, 55.7300, 10.0698**.

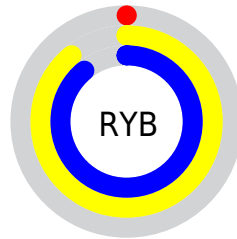
Distribution



Red (0%)

Green (89%)

Blue (0%)



Red (0%)

Yellow (89%)

Blue (89%)

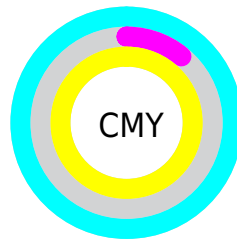


Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (100%)


Magenta (11%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.7434, 55.4868, 9.2478 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 27.7434, 55.4868, 9.2478 by changing the saturation by 10% instead.


 27.7434, 55.4868,
9.2478


 27.7434, 55.4868,
9.2478


283.3411,
407.7546, 195.5015


 18.2718, 39.7916,
4.8041


 55.4860, 98.2538,
24.9560


 11.2462, 27.3761,
2.0761


 74.4877, 126.0945,
37.0577

 6.3012, 17.8559,
0.6015


 97.3969, 158.7523,
52.5491

 3.0715, 10.8466,
0.0000

 124.5788,
196.6119, 71.8489

 1.1917, 5.9638,
0.0000

 156.3988,
240.0575, 95.3754

 0.0998, 2.8231,
0.0000

 193.2223,

 0.0000, 1.0401,

289.4735, 123.5473

0.0000

235.4146,
345.2444, 156.7832

■ 0.0000, 0.0000,
0.0000

■ 27.7434, 55.4868,
9.2478

■ 27.7434, 55.4868,
9.2478

■ 27.7447, 55.4891,
9.2491

■ 28.2462, 55.7300,
10.0698

■ 29.3391, 56.2550,
11.8582

■ 31.2128, 57.1550,
14.9236

■ 33.9766, 58.4826,
19.4449

■ 37.7225, 60.2819,
25.5721

■ 42.5308, 62.5915,
33.4370

■ 48.4737, 65.4463,
43.1576

■ 55.6172, 68.8776,
54.8415

■ 64.0220, 72.9149,
68.5882

Harmonies

Analogous

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



41.8881, 55.4868, 2.7328



27.7434, 55.4868, 9.2478



21.3764, 55.4868, 35.5749

Triad

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



27.7434, 55.4868, 9.2478



43.1455, 55.4868, 271.3166



104.8647, 55.4868, 32.7333

Complementary

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



27.7434, 55.4868, 9.2478



45.9961, 22.0946, 75.2200

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.



105.4810, 55.4868, 94.7500



27.7434, 55.4868, 9.2478



65.3175, 55.4868, 268.2955

Square

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



27.7434, 55.4868, 9.2478



28.4417, 55.4868, 196.5959



89.4893, 55.4868, 189.9878



87.9859, 55.4868, 8.4039

Rectangle

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



27.7434, 55.4868, 9.2478



20.8212, 55.4868, 74.0506



89.4893, 55.4868, 189.9878



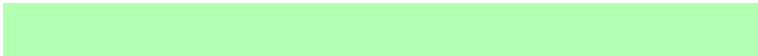
107.1127, 55.4868, 48.5665

Sweetspot

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



27.7447, 55.4891, 9.2491



62.3223, 84.2791, 55.3713



59.7407, 71.9837, 10.7456



12.6071, 17.6874, 10.6538



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.



27.7447, 55.4891, 9.2491



35.7602, 71.5201, 11.9210



30.7819, 56.7040, 25.2428



14.1895, 16.0892, 15.2625



16.0202, 32.0402, 5.3407



1.1839, 2.3677, 0.3948

Inverse Universe

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



45.9961, 22.0946, 75.2200



59.2845, 28.4778, 96.9511



35.0336, 17.7096, 17.4920



14.9951, 14.6152, 18.1746



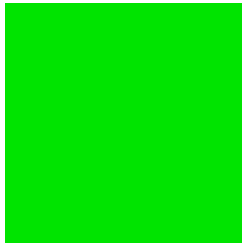
26.5588, 12.7577, 43.4333



1.9626, 0.9428, 3.2097

Previews

White Background



This preview shows how the XYZ color 27.7434, 55.4868, 9.2478 looks on a white background.

Color Contrast Check

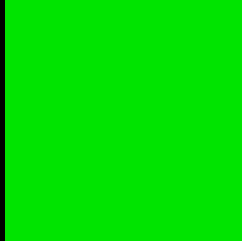
Large Text (above 18pt) WCAG AA × Fail

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 27.7434, 55.4868, 9.2478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

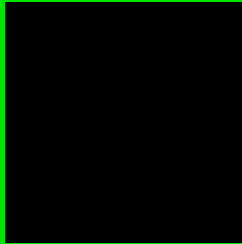
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

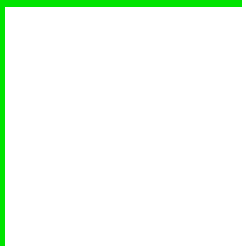
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.7434, 55.4868, 9.2478

Background



This preview shows how black text looks on a background with the XYZ color 27.7434, 55.4868, 9.2478.



This preview shows how white text looks on a background with the XYZ color 27.7434, 55.4868,

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

27.7434, 55.4868, 9.2478

Protanopia

49.0303, 54.2459, 7.8863

Deuteranopia

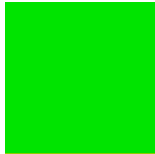
55.5595, 54.3322, 10.4646



Tritanopia

42.5102, 55.2309, 82.5488

Trichromacy



Original Color

27.7434, 55.4868, 9.2478



Protanomaly

33.1280, 50.2011, 7.9438



Deuteranomaly

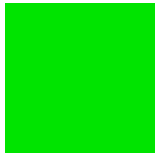
34.8443, 48.9401, 8.9062



Tritanomaly

32.1842, 53.2102, 35.7684

Monochromacy



Original Color

27.7434, 55.4868, 9.2478



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

19.3886, 30.5924, 13.4774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7434, 55.4868, 9.2478 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(0, 228, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 228, 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(0, 228, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 228, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.7434, 55.4868, 9.2478 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(0, 228, 0) }
```


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

```
.border{ border-color:rgb(0, 228, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 228, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 228, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 228, 0); box-shadow:4px  
4px 4px 4px rgb(0, 228, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7434, 55.4868, 9.2478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 228, 0) }
```

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

```
.background{ background-color: rgb(0, 228,  
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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