

Converting Colors

XYZ(27.2597, 54.1569, 12.3571)

Have a look what the booklet for
XYZ(27.2597, 54.1569, 12.3571)
contains.

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Color

**XYZ(27.8390, 54.6498,
12.4494)**

Conversions

Conversions Part 1

Format	Color
Hex	00E235
RGB	0, 226, 53
RGB Percent	0%, 89%, 21%
CMY	1.0000, 0.1137, 0.7921
CMYK	1.00, 0.00, 0.77, 0.11
HSL	134°, 100%, 44%
HSV	134°, 100%, 89%
XYZ	27.8390, 54.6498, 12.4494
YIQ	138.7040, -79.1630, -101.7150

Conversions

Conversions Part 2

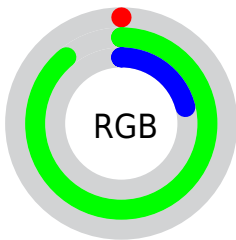
Format	Color
RYB	0, 183, 226
Decimal	57909
CIELab	78.84, -76.74, 66.44
CIELCh	79, 101.504, 139.111
Yxy	54.6498, 0.2932, 0.5756
Android (android.graphics.Color)	4278247989 (0xFF00E235)
YUV	138.7040, -42.2521, -121.6434
Hunter-Lab	73.9255, -62.1498, 41.7631

Details

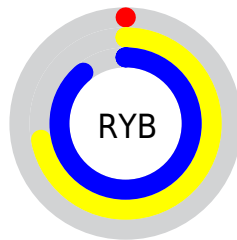
The XYZ color **27.8390, 54.6498, 12.4494** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **38.9082, 19.1866, 41.1881**, and the grayscale version is **24.6075, 25.8890, 28.1931**.

A 20% lighter version of the original color is **45.1150, 76.0048, 27.6218**, and **14.1880, 28.3759, 4.7293** is the 20% darker color. If you saturate the color by 10%, you get **27.8402, 54.6520, 12.4503**, and if you desaturate by 10%, it is **28.6570, 55.0185, 14.9546**.

Distribution



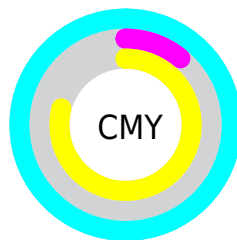
- Red (0%)
- Green (89%)
- Blue (21%)



- Red (0%)
- Yellow (72%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (77%)
- Black (11%)





- Cyan (100%)
- Magenta (11%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.8390, 54.6498, 12.4494 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 27.8390, 54.6498, 12.4494 by changing the saturation by 10% instead.


 27.8390, 54.6498,
12.4494


 27.8390, 54.6498,
12.4494


283.7908,
404.5831, 218.4406


 18.3442, 39.1214,
6.9243


 55.6377, 97.0277,
30.9875

 11.2985, 26.8542,
3.3371


 74.6724, 124.6459,
44.8376


 6.3368, 17.4637,
1.2692


 97.6176, 157.0630,
62.2998

 3.0935, 10.5657,
0.0364

 124.8388,
194.6631, 83.7926

 1.2034, 5.7756,
0.0000

 156.7014,
237.8308, 109.7345

 0.1091, 2.7091,
0.0000

193.5707,

 0.0000, 0.9818,

286.9504, 140.5441

0.0000

235.8121,
342.4064, 176.6400

■ 0.0000, 0.0000,
0.0000

■ 27.8390, 54.6498,
12.4494

■ 27.8390, 54.6498,
12.4494

■ 27.8402, 54.6520,
12.4503

■ 28.6570, 55.0185,
14.9546

■ 30.0339, 55.6556,
18.3071

■ 32.1128, 56.6349,
22.5788

■ 34.9792, 57.9993,
27.8312

■ 38.7056, 59.7850,
34.1205

■ 43.3563, 62.0240,
41.4988

■ 48.9892, 64.7452,
50.0143

■ 55.6572, 67.9749,
59.7125

■ 63.4096, 71.7377,
70.6364

Harmonies

Analogous

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



40.2767, 54.6498, 4.2055



27.8390, 54.6498, 12.4494



22.4583, 54.6498, 40.9300

Triad

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



27.8390, 54.6498, 12.4494



44.9713, 54.6498, 248.1369



97.7522, 54.6498, 30.0976

Complementary

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



27.8390, 54.6498, 12.4494



38.9082, 19.1866, 41.1881

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.



99.9574, 54.6498, 82.9880



27.8390, 54.6498, 12.4494



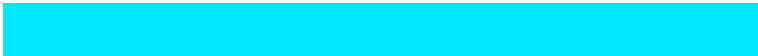
65.6691, 54.6498, 237.6342

Square

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



27.8390, 54.6498, 12.4494



30.5086, 54.6498, 188.7414



87.0288, 54.6498, 165.5104



81.6111, 54.6498, 8.8947

Rectangle

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



27.8390, 54.6498, 12.4494



22.3394, 54.6498, 78.8335



87.0288, 54.6498, 165.5104



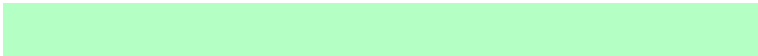
100.2802, 54.6498, 43.6251

Sweetspot

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



27.8403, 54.6521, 12.4506



64.2492, 85.0499, 65.5184



44.4910, 63.3101, 9.8753



13.0469, 17.8633, 12.9694



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.



27.8403, 54.6521, 12.4506



36.5705, 71.8442, 16.1878



34.0564, 57.1385, 45.1841



13.6598, 15.3897, 15.2440



15.9204, 31.1930, 7.3039



1.1380, 2.1759, 0.6878

Inverse Universe

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



38.9082, 19.1866, 41.1881



51.1124, 25.2090, 53.9174



32.1881, 16.4986, 5.8006



14.1503, 13.8778, 16.5619



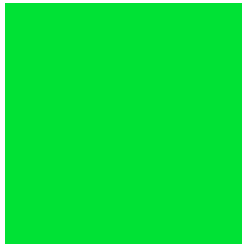
22.2442, 10.9647, 23.7494



1.5756, 0.7735, 1.8237

Previews

White Background



This preview shows how the XYZ color 27.8390, 54.6498, 12.4494 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 27.8390, 54.6498, 12.4494 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 27.8390, 54.6498, 12.4494

Background



This preview shows how black text looks on a background with the XYZ color 27.8390, 54.6498, 12.4494.



This preview shows how white text looks on a background with the XYZ color 27.8390, 54.6498, 12.4494.

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

27.8390, 54.6498, 12.4494

Protanopia

48.3807, 53.5247, 10.2640

Deuteranopia

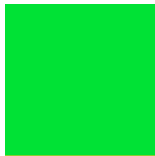
54.5534, 53.4367, 13.4003



Tritanopia

41.8121, 54.5171, 81.7179

Trichromacy



Original Color

27.8390, 54.6498, 12.4494



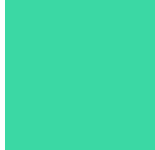
Protanomaly

33.0860, 49.7593, 10.6570



Deuteranomaly

34.4857, 47.9893, 12.2958



Tritanomaly

33.0603, 52.7219, 43.5558

Monochromacy



Original Color

27.8390, 54.6498, 12.4494



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

21.2942, 32.2832, 19.2963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8390, 54.6498, 12.4494 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, 226, 53)` looks like.

```
.text, #text, p{  
    color:rgb(0, 226, 53)  
}
```

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, 226, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 226, 53) }
```

Border

The CSS property to change the border of an element to XYZ 27.8390, 54.6498, 12.4494 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, 226, 53) }
```


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

```
.border{ border-color:rgb(0, 226, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 226, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 226, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 226, 53);  
box-shadow:4px 4px 4px 4px rgb(0, 226, 53)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.8390, 54.6498, 12.4494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 226, 53) }
```

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

```
.background{ background-color: rgb(0, 226,  
53) }
```

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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