

# Converting Colors

XYZ(27.5427, 54.5319, 10.8839)

Have a look what the booklet for  
XYZ(27.5427, 54.5319, 10.8839)  
contains.

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# Color

**XYZ(27.5462, 54.5327,  
10.9077)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E226
RGB	0, 226, 38
RGB Percent	0%, 89%, 15%
CMY	1.0000, 0.1137, 0.8509
CMYK	1.00, 0.00, 0.83, 0.11
HSL	130°, 100%, 44%
HSV	130°, 100%, 89%
XYZ	27.5462, 54.5327, 10.9077
YIQ	136.9940, -74.3480, -106.3800

# Conversions

## Conversions Part 2

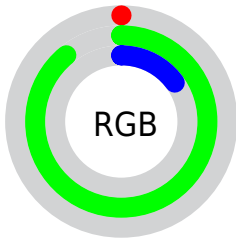
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 193, 226
Decimal	57894
CIELab	78.77, -77.61, 70.51
CIELCh	79, 104.859, 137.744
Yxy	54.5327, 0.2962, 0.5865
Android (android.graphics.Color)	4278247974 (0xFF00E226)
YUV	136.9940, -48.8040, -120.1437
Hunter-Lab	73.8463, -62.6467, 42.9348

# Details

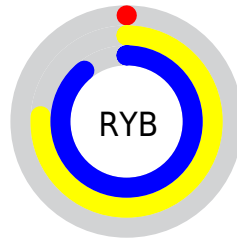
The XYZ color **27.5462, 54.5327, 10.9077** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **40.4418, 19.8000, 49.2641**, and the grayscale version is **23.9758, 25.2244, 27.4694**.

A 20% lighter version of the original color is **44.6645, 75.8391, 24.5963**, and **14.1880, 28.3759, 4.7293** is the 20% darker color. If you saturate the color by 10%, you get **27.5475, 54.5350, 10.9089**, and if you desaturate by 10%, it is **28.2755, 54.8659, 12.9459**.

# Distribution



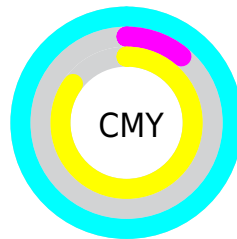
- Red (0%)
- Green (89%)
- Blue (15%)



- Red (0%)
- Yellow (76%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (83%)
- Black (11%)




- Cyan (100%)
- Magenta (11%)
- Yellow (85%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5462, 54.5327, 10.9077 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 27.5462, 54.5327, 10.9077 by changing the saturation by 10% instead.





 27.5462, 54.5327,  
10.9077


 27.5462, 54.5327,  
10.9077


282.4117,  
404.1381, 207.7479


 18.1226, 39.0277,  
5.8914


 55.1728, 96.8560,  
28.1234


 11.1382, 26.7813,  
2.7114


 74.1065, 124.4430,  
41.1599


 6.2279, 17.4090,  
0.9492


 96.9410, 156.8262,  
57.7069

 3.0261, 10.5265,  
0.0000

 124.0415,  
194.3899, 78.1829

 1.1676, 5.7494,  
0.0000

 155.7735,  
237.5186, 103.0064

 0.0805, 2.6933,  
0.0000

 192.5023,

 0.0000, 0.9738,

286.5966, 132.5961

0.0000

234.5932,  
342.0083, 167.3704

■ 0.0000, 0.0000,  
0.0000

■ 27.5462, 54.5327,  
10.9077

■ 27.5462, 54.5327,  
10.9077

■ 27.5475, 54.5350,  
10.9089

■ 28.2755, 54.8659,  
12.9459

■ 29.5795, 55.4738,  
15.9148

■ 31.6063, 56.4323,  
19.9126

■ 34.4454, 57.7857,  
25.0224

■ 38.1731, 59.5719,  
31.3189

■ 42.8566, 61.8241,  
38.8702

■ 48.5564, 64.5720,  
47.7394

■ 55.3283, 67.8433,  
57.9853

■ 63.2237, 71.6632,  
69.6629

# Harmonies

## Analogous

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



40.5938, 54.5327, 3.4895



27.5462, 54.5327, 10.9077



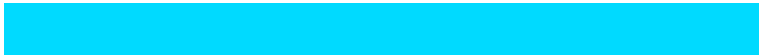
21.7926, 54.5327, 38.2662

# Triad

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



27.5462, 54.5327, 10.9077



43.8120, 54.5327, 255.7823



99.8995, 54.5327, 30.9076

# Complementary

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



27.5462, 54.5327, 10.9077



40.4418, 19.8000, 49.2641

# 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.



101.4393, 54.5327, 87.0989



27.5462, 54.5327, 10.9077



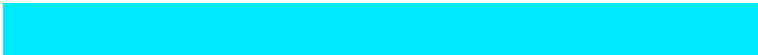
64.9729, 54.5327, 248.3552

# Square

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



27.5462, 54.5327, 10.9077



29.3576, 54.5327, 190.5363



87.3431, 54.5327, 174.1891



83.5718, 54.5327, 8.5929



# Rectangle

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



27.5462, 54.5327, 10.9077



21.4878, 54.5327, 76.1509



87.3431, 54.5327, 174.1891



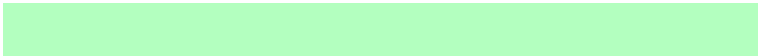
102.2954, 54.5327, 45.2668

# Sweetspot

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



27.5475, 54.5350, 10.9089



63.6793, 84.8220, 62.5176



48.0196, 65.1292, 10.0403



12.9157, 17.8108, 12.2788



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.



27.5475, 54.5350, 10.9089



36.1940, 71.6936, 14.2052



32.7566, 56.6186, 38.3396



13.6224, 15.3747, 15.0466



15.7447, 31.1227, 6.3786



1.1201, 2.1688, 0.5936



# Inverse Universe

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



40.4418, 19.8000, 49.2641



53.1380, 26.0192, 64.5842



32.6468, 16.6820, 8.2161



14.1909, 13.8940, 16.7752



23.1094, 11.3108, 28.3058

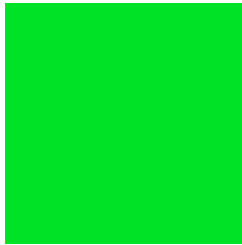


1.6284, 0.7946, 2.1020



# Previews

## White Background



This preview shows how the XYZ color 27.5462, 54.5327, 10.9077 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 27.5462, 54.5327, 10.9077 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

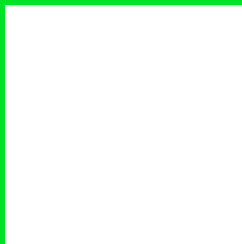
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 27.5462, 54.5327, 10.9077**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.5462, 54.5327, 10.9077.



This preview shows how white text looks on a background with the XYZ color 27.5462, 54.5327,



# 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

27.5462, 54.5327, 10.9077

### Protanopia

48.4270, 53.5777, 8.9516

### Deuteranopia

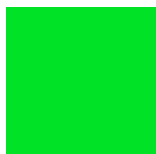
54.3937, 53.0811, 11.7937



## Tritanopia

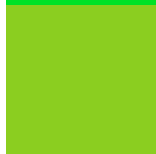
41.5278, 54.0189, 80.9110

# Trichromacy



## Original Color

27.5462, 54.5327, 10.9077



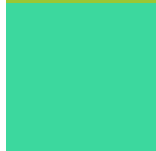
## Protanomaly

32.9795, 49.7359, 9.2283



## Deuteranomaly

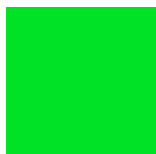
34.3925, 47.9739, 10.8154



## Tritanomaly

32.5909, 52.5410, 40.7715

# Monochromacy



## Original Color

27.5462, 54.5327, 10.9077



## Achromatopsia

23.7775, 25.0158, 27.2422



## Achromatomaly

20.4674, 31.3418, 17.2827

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.5462, 54.5327, 10.9077 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, 38)` looks like.

```
.text, #text, p{  
    color:rgb(0, 226, 38)  
}
```

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, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 226, 38) }
```

## Border

The CSS property to change the border of an element to XYZ 27.5462, 54.5327, 10.9077 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, 38) }
```



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

```
.border{ border-color:rgb(0, 226, 38) }
```

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, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 226, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 226, 38);  
box-shadow:4px 4px 4px 4px rgb(0, 226, 38)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 27.5462, 54.5327, 10.9077 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, 38) }
```

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

```
.background{ background-color: rgb(0, 226,  
38) }
```

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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