

# Converting Colors

XYZ(27.8653, 55.2743, 10.6951)

Have a look what the booklet for  
XYZ(27.8653, 55.2743, 10.6951)  
contains.

<b>XYZ(27.7578, 55.0537, 10.6768)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(27.7578, 55.0537,  
10.6768)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E322
RGB	0, 227, 34
RGB Percent	0%, 89%, 13%
CMY	1.0000, 0.1098, 0.8666
CMYK	1.00, 0.00, 0.85, 0.11
HSL	129°, 100%, 45%
HSV	129°, 100%, 89%
XYZ	27.7578, 55.0537, 10.6768
YIQ	137.1250, -73.3390, -108.1470

# Conversions

## Conversions Part 2

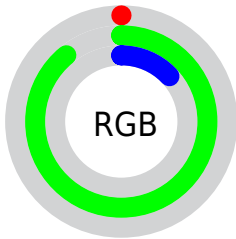
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 197, 227
Decimal	58146
CIELab	79.07, -78.06, 71.69
CIELCh	79, 105.988, 137.437
Yxy	55.0537, 0.2969, 0.5889
Android (android.graphics.Color)	4278248226 (0xFF00E322)
YUV	137.1250, -50.8406, -120.2586
Hunter-Lab	74.1982, -63.0693, 43.4071

# Details

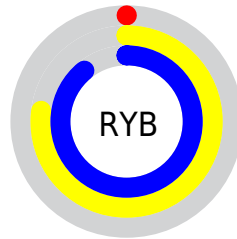
The XYZ color **27.7578, 55.0537, 10.6768** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **41.3047, 20.1815, 52.1663**, and the grayscale version is **24.0329, 25.2845, 27.5348**.

A 20% lighter version of the original color is **44.5677, 75.8004, 24.0864**, and **14.3747, 28.7495, 4.7916** is the 20% darker color. If you saturate the color by 10%, you get **27.7591, 55.0560, 10.6780**, and if you desaturate by 10%, it is **28.4665, 55.3790, 12.5946**.

# Distribution



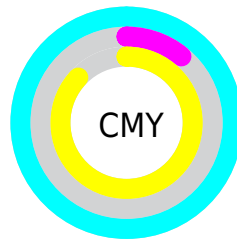
- Red (0%)
- Green (89%)
- Blue (13%)



- Red (0%)
- Yellow (77%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (85%)
- Black (11%)




- Cyan (100%)
- Magenta (11%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7578, 55.0537, 10.6768 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 27.7578, 55.0537, 10.6768 by changing the saturation by 10% instead.





 27.7578, 55.0537,  
10.6768


 27.7578, 55.0537,  
10.6768


283.4089,  
406.1155, 206.0938


 18.2827, 39.4447,  
5.7385


 55.5089, 97.6196,  
27.6884


 11.2540, 27.1059,  
2.6205


 74.5156, 125.3454,  
40.5988


 6.3065, 17.6527,  
0.9030


 97.4301, 157.8788,  
57.0037

 3.0748, 10.7010,  
0.0000

 124.6179,  
195.6044, 77.3215

 1.1934, 5.8661,  
0.0000

 156.4444,  
238.9064, 101.9709

 0.1012, 2.7639,  
0.0000

 193.2748,

 0.0000, 1.0097,

288.1693, 131.3704

0.0000

235.4745,  
343.7776, 165.9385

■ 0.0000, 0.0000,  
0.0000

■ 27.7578, 55.0537,  
10.6768

■ 27.7578, 55.0537,  
10.6768

■ 27.7591, 55.0560,  
10.6780

■ 28.4665, 55.3790,  
12.5946

■ 29.7598, 55.9833,  
15.4731

■ 31.7890, 56.9441,  
19.4203

■ 34.6458, 58.3068,  
24.5275

■ 38.4085, 60.1099,  
30.8763

■ 43.1460, 62.3874,  
38.5407

■ 48.9205, 65.1700,  
47.5891

■ 55.7890, 68.4856,  
58.0852

■ 63.8043, 72.3603,  
70.0884

# Harmonies

## Analogous

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



41.0793, 55.0537, 3.3709



27.7578, 55.0537, 10.6768



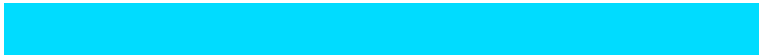
21.8603, 55.0537, 38.0419

# Triad

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



27.7578, 55.0537, 10.6768



43.9829, 55.0537, 260.1341



101.4065, 55.0537, 31.4161

# Complementary

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



27.7578, 55.0537, 10.6768



41.3047, 20.1815, 52.1663

# 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.



102.8017, 55.0537, 88.9610



27.7578, 55.0537, 10.6768



65.4603, 55.0537, 253.3851

# Square

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



27.7578, 55.0537, 10.6768



29.3884, 55.0537, 192.8471



88.2890, 55.0537, 178.0091



84.8742, 55.0537, 8.6130



# Rectangle

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



27.7578, 55.0537, 10.6768



21.5097, 55.0537, 76.2887



88.2890, 55.0537, 178.0091



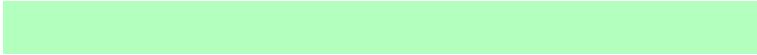
103.7941, 55.0537, 46.1186

# Sweetspot

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



27.7591, 55.0560, 10.6780



63.5251, 84.7603, 61.7055



50.4273, 66.7753, 10.2311



12.8804, 17.7967, 12.0927



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.



27.7591, 55.0560, 10.6780



36.1132, 71.6613, 13.7798



32.4866, 56.9470, 35.5729



14.2769, 16.1242, 15.7229



16.2149, 32.1181, 6.3662



1.2257, 2.3844, 0.6151



# Inverse Universe

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



41.3047, 20.1815, 52.1663



53.7376, 26.2590, 67.7416



33.2503, 16.9597, 9.7523



14.8974, 14.5762, 17.6602



24.1226, 11.7832, 30.6041

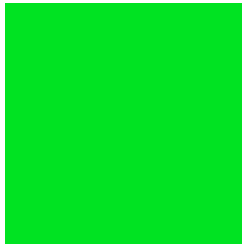


1.8079, 0.8809, 2.3949



# Previews

## White Background



This preview shows how the XYZ color 27.7578, 55.0537, 10.6768 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 27.7578, 55.0537, 10.6768 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

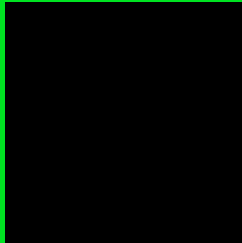
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

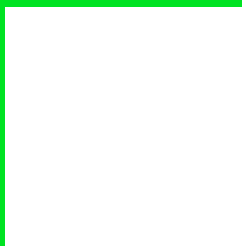
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 27.7578, 55.0537, 10.6768**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.7578, 55.0537, 10.6768.



This preview shows how white text looks on a background with the XYZ color 27.7578, 55.0537,



# 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

27.7578, 55.0537, 10.6768

### Protanopia

48.6701, 53.7096, 8.6660

### Deuteranopia

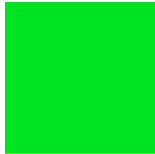
54.8921, 53.6514, 11.6003



## Tritanopia

42.0172, 54.6229, 81.7275

# Trichromacy



## Original Color

27.7578, 55.0537, 10.6768



## Protanomaly

32.9284, 49.7154, 8.9591



## Deuteranomaly

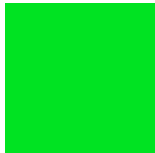
34.7476, 48.5074, 10.5491



## Tritanomaly

32.7621, 53.0207, 40.4056

# Monochromacy



## Original Color

27.7578, 55.0537, 10.6768



## Achromatopsia

23.7775, 25.0158, 27.2422



## Achromatomaly

20.6055, 31.6958, 17.0885

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.7578, 55.0537, 10.6768 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, 227, 34)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 34)  
}
```

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, 227, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 34) }
```

## Border

The CSS property to change the border of an element to XYZ 27.7578, 55.0537, 10.6768 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, 227, 34) }
```



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

```
.border{ border-color:rgb(0, 227, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 227, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 34);  
box-shadow:4px 4px 4px 4px rgb(0, 227, 34)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 27.7578, 55.0537, 10.6768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 227, 34) }
```

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

```
.background{ background-color: rgb(0, 227,  
34) }
```

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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