

Converting Colors

XYZ(28.2018, 55.2094, 13.0824)

Have a look what the booklet for
XYZ(28.2018, 55.2094, 13.0824)
contains.

XYZ(28.2076, 55.2336, 13.0454)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.2076, 55.2336,
13.0454)**

Conversions

Conversions Part 1

Format	Color
Hex	00E339
RGB	0, 227, 57
RGB Percent	0%, 89%, 22%
CMY	1.0000, 0.1098, 0.7764
CMYK	1.00, 0.00, 0.75, 0.11
HSL	135°, 100%, 45%
HSV	135°, 100%, 89%
XYZ	28.2076, 55.2336, 13.0454
YIQ	139.7470, -80.7220, -100.9940

Conversions

Conversions Part 2

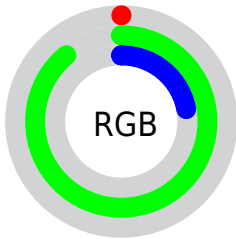
Format	Color
RYB	0, 181, 227
Decimal	58169
CIELab	79.18, -76.73, 65.50
CIELCh	79, 100.882, 139.514
Yxy	55.2336, 0.2923, 0.5724
Android (android.graphics.Color)	4278248249 (0xFF00E339)
YUV	139.7470, -40.7943, -122.5581
Hunter-Lab	74.3193, -62.3098, 41.6162

Details

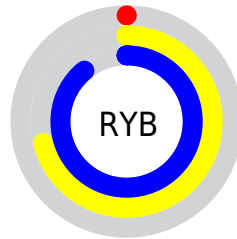
The XYZ color **28.2076, 55.2336, 13.0454** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **38.9353, 19.2338, 39.6895**, and the grayscale version is **25.0060, 26.3083, 28.6497**.

A 20% lighter version of the original color is **45.2849, 76.0728, 28.5164**, and **14.3747, 28.7495, 4.7916** is the 20% darker color. If you saturate the color by 10%, you get **28.2089, 55.2359, 13.0466**, and if you desaturate by 10%, it is **29.0530, 55.6135, 15.6830**.

Distribution



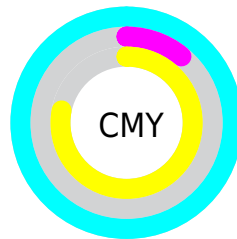
- Red (0%)
- Green (89%)
- Blue (22%)



- Red (0%)
- Yellow (71%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (75%)
- Black (11%)



- Cyan (100%)
- Magenta (11%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2076, 55.2336, 13.0454 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 28.2076, 55.2336, 13.0454 by changing the saturation by 10% instead.

■ 28.2076, 55.2336,
13.0454

■ 28.2076, 55.2336,
13.0454

285.5197,
406.7968, 222.4265

■ 18.6235, 39.5888,
7.3287

■ 56.2220, 97.8831,
32.0777

■ 11.5009, 27.2181,
3.5870

■ 75.3831, 125.6566,
46.2304

■ 6.4746, 17.7371,
1.4016

■ 98.4671, 158.2418,
64.0322

■ 3.1791, 10.7614,
0.1430

■ 125.8395,
196.0231, 85.9016

■ 1.2492, 5.9066,
0.0000

■ 157.8656,
239.3848, 112.2572

■ 0.1447, 2.7884,
0.0000

194.9107,

■ 0.0000, 1.0223,

288.7114, 143.5175

0.0000

237.3403,
344.3873, 180.1011

■ 0.0000, 0.0000,
0.0000

■ 28.2076, 55.2336,
13.0454

■ 28.2076, 55.2336,
13.0454

■ 28.2089, 55.2359,
13.0466

■ 29.0530, 55.6135,
15.6830

■ 30.4588, 56.2629,
19.1535

■ 32.5683, 57.2559,
23.5241

■ 35.4672, 58.6353,
28.8525

■ 39.2280, 60.4377,
35.1916

■ 43.9151, 62.6951,
42.5902

■ 49.5862, 65.4363,
51.0941

■ 56.2944, 68.6878,
60.7461

■ 64.0890, 72.4742,
71.5870

Harmonies

Analogous

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



40.5946, 55.2336, 4.4728



28.2076, 55.2336, 13.0454



22.8817, 55.2336, 42.1275

Triad

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



28.2076, 55.2336, 13.0454



45.7599, 55.2336, 248.4208



98.1175, 55.2336, 30.1775

Complementary

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



28.2076, 55.2336, 13.0454



38.9353, 19.2338, 39.6895

Split Complementary

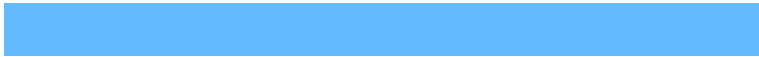
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.5309, 55.2336, 82.6699



28.2076, 55.2336, 13.0454



66.5265, 55.2336, 236.9690

Square

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



28.2076, 55.2336, 13.0454



31.1534, 55.2336, 190.0917



87.8064, 55.2336, 164.7245



81.8719, 55.2336, 9.0770

Rectangle

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



28.2076, 55.2336, 13.0454



22.8162, 55.2336, 80.3988



87.8064, 55.2336, 164.7245



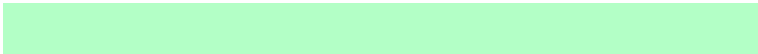
100.7070, 55.2336, 43.6069

Sweetspot

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



28.2089, 55.2359, 13.0467



64.3948, 85.1081, 66.2851



44.1026, 63.5147, 9.9351



13.0805, 17.8767, 13.1465



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.



28.2089, 55.2359, 13.0467



36.6865, 71.8906, 16.7987



34.7499, 57.8523, 47.4910



14.3371, 16.1483, 16.0397



16.4904, 32.2283, 7.8166



1.2552, 2.3962, 0.7706

Inverse Universe

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



38.9353, 19.2338, 39.6895



50.6399, 25.0200, 51.4292



32.4122, 16.6245, 5.3390



14.8323, 14.5501, 17.3175



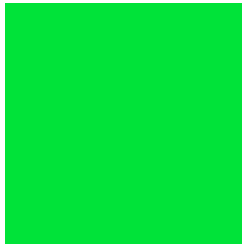
22.7554, 11.2364, 23.4048



1.7182, 0.8450, 1.9226

Previews

White Background



This preview shows how the XYZ color 28.2076, 55.2336, 13.0454 looks on a white background.

Color Contrast Check

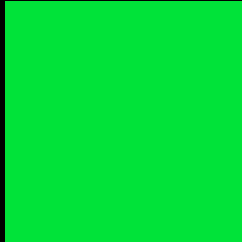
Large Text (above 18pt) WCAG AA × Fail

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 28.2076, 55.2336, 13.0454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

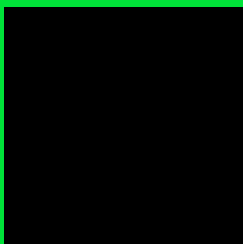
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.2076, 55.2336, 13.0454

Background



This preview shows how black text looks on a background with the XYZ color 28.2076, 55.2336, 13.0454.



This preview shows how white text looks on a background with the XYZ color 28.2076, 55.2336,

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

28.2076, 55.2336, 13.0454

Protanopia

48.9829, 54.1574, 10.7775

Deuteranopia

55.2029, 54.0696, 14.0055



Tritanopia

42.2005, 55.0713, 82.5344

Trichromacy



Original Color

28.2076, 55.2336, 13.0454



Protanomaly

33.5801, 50.3625, 11.1999



Deuteranomaly

35.0241, 48.5959, 13.0028



Tritanomaly

33.4994, 53.3087, 44.6004

Monochromacy



Original Color

28.2076, 55.2336, 13.0454



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

21.6868, 32.7547, 19.9311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2076, 55.2336, 13.0454 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, 57)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 57)  
}
```

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, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 57) }
```

Border

The CSS property to change the border of an element to XYZ 28.2076, 55.2336, 13.0454 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, 57) }
```


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

```
.border{ border-color:rgb(0, 227, 57) }
```

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, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 57);  
box-shadow:4px 4px 4px 4px rgb(0, 227, 57)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.2076, 55.2336, 13.0454 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, 57) }
```

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

```
.background{ background-color: rgb(0, 227,  
57) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor