

Converting Colors

XYZ(28.5336, 55.5223, 10.3280)

Have a look what the booklet for
XYZ(28.5336, 55.5223, 10.3280)
contains.

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Color

**XYZ(28.4780, 55.4341,
10.2975)**

Conversions

Conversions Part 1

Format	Color
Hex	26E31C
RGB	38, 227, 28
RGB Percent	15%, 89%, 11%
CMY	0.8510, 0.1098, 0.8901
CMYK	0.83, 0.00, 0.88, 0.11
HSL	117°, 78%, 50%
HSV	117°, 88%, 89%
XYZ	28.4780, 55.4341, 10.2975
YIQ	147.8030, -48.7650, -101.9570

Conversions

Conversions Part 2

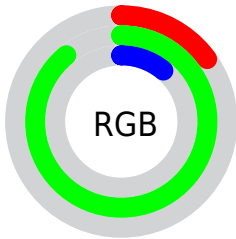
Format	Color
RYB	28, 227, 217
Decimal	2548508
CIELab	79.29, -76.16, 73.17
CIELCh	79, 105.616, 136.146
Yxy	55.4341, 0.3023, 0.5884
Android (android.graphics.Color)	4280738588 (0xFF26E31C)
YUV	147.8030, -59.0629, -96.2972
Hunter-Lab	74.4541, -62.0200, 43.9177

Details

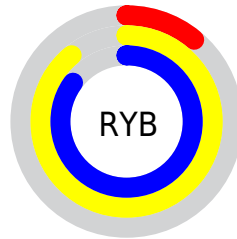
The XYZ color **28.4780, 55.4341, 10.2975** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **42.9020, 21.1320, 74.4937**, and the grayscale version is **28.3208, 29.7956, 32.4475**.

A 20% lighter version of the original color is **45.7565, 76.4295, 23.4071**, and **14.3747, 28.7495, 4.7916** is the 20% darker color. If you saturate the color by 10%, you get **27.7206, 55.0661, 9.3204**, and if you desaturate by 10%, it is **29.8985, 56.1240, 12.3562**.

Distribution



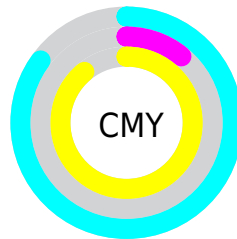
- Red (15%)
- Green (89%)
- Blue (11%)



- Red (11%)
- Yellow (89%)
- Blue (85%)



- Cyan (83%)
- Magenta (0%)
- Yellow (88%)
- Black (11%)





- Cyan (85%)
- Magenta (11%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.4780, 55.4341, 10.2975 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 28.4780, 55.4341, 10.2975 by changing the saturation by 10% instead.


 28.4780, 55.4341,
10.2975


 28.4780, 55.4341,
10.2975


286.7828,
407.5553, 203.3437


 18.8286, 39.7494,
5.4885


 56.6500, 98.1767,
26.9701


 11.6498, 27.3432,
2.4729

 75.9033, 126.0034,
39.6708


 6.5762, 17.8311,
0.8258


 99.0886, 158.6461,
55.8390

 3.2424, 10.8288,
0.0000

 126.5713,
196.4894, 75.8935

 1.2832, 5.9518,
0.0000

 158.7167,
239.9175, 100.2526

 0.1706, 2.8158,
0.0000

 195.8902,

 0.0000, 1.0363,

289.3150, 129.3350

0.0000

238.4571,
345.0661, 163.5592

■ 0.0000, 0.0000,
0.0000

■ 28.4780, 55.4341,
10.2975

■ 28.4780, 55.4341,
10.2975

■ 27.7206, 55.0661,
9.3204

■ 29.8985, 56.1240,
12.3562


■ 27.6135, 55.0143,
9.1634


■ 32.0904, 57.1817,
15.7214


■ 35.1441, 58.6520,
20.5627


■ 39.1365, 60.5712,
27.0234

■ 44.1359, 62.9721,
35.2296

 50.2046, 65.8841,
45.2952

 57.3994, 69.3344,
57.3245

 65.7733, 73.3481,
71.4138

 75.3760, 77.9490,
87.6534

Harmonies

Analogous

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



42.1746, 55.4341, 3.3781



28.4780, 55.4341, 10.2975



22.2584, 55.4341, 36.5562

Triad

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



28.4780, 55.4341, 10.2975



43.5432, 55.4341, 258.5894



102.1668, 55.4341, 33.4299

Complementary

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



28.4780, 55.4341, 10.2975



42.9020, 21.1320, 74.4937

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.



102.8226, 55.4341, 92.7410



28.4780, 55.4341, 10.2975



64.8187, 55.4341, 255.4232

Square

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



28.4780, 55.4341, 10.2975



29.2477, 55.4341, 189.2212



87.7682, 55.4341, 182.2553



86.1624, 55.4341, 9.3175

Rectangle

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



28.4780, 55.4341, 10.2975



21.7285, 55.4341, 73.6984



87.7682, 55.4341, 182.2553



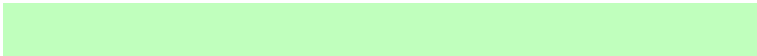
104.3113, 55.4341, 48.7337

Sweetspot

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



28.4793, 55.4364, 10.2987



66.6578, 86.3911, 61.1355



55.8700, 64.3762, 10.5806



13.6269, 18.1840, 12.0187



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.



28.4793, 55.4364, 10.2987



35.9230, 71.6040, 11.9276



31.0006, 56.4080, 25.2461



14.2559, 16.1235, 15.2652



16.1322, 32.0979, 5.3453



1.2159, 2.3842, 0.3961

Inverse Universe

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



42.9020, 21.1320, 74.4937



54.7379, 26.1333, 96.7670



36.8864, 19.0791, 26.8501



14.9199, 14.5764, 18.1715



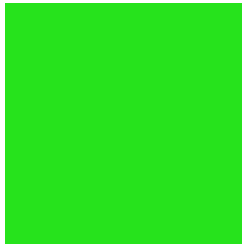
24.5650, 11.7296, 43.3525



1.8374, 0.8782, 3.2046

Previews

White Background



This preview shows how the XYZ color 28.4780, 55.4341, 10.2975 looks on a white background.

Color Contrast Check

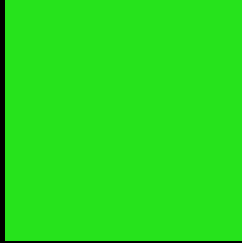
Large Text (above 18pt) WCAG AA × Fail

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 28.4780, 55.4341, 10.2975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

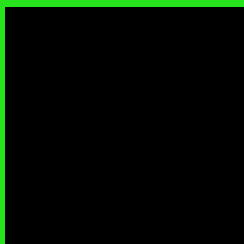
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.4780, 55.4341, 10.2975

Background



This preview shows how black text looks on a background with the XYZ color 28.4780, 55.4341, 10.2975.

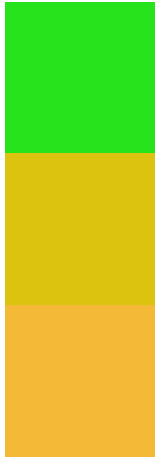


This preview shows how white text looks on a background with the XYZ color 28.4780, 55.4341,

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

28.4780, 55.4341, 10.2975

Protanopia

48.8221, 54.1277, 8.3647

Deuteranopia

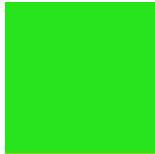
55.3468, 54.2069, 11.1603



Tritanopia

42.5534, 54.8993, 81.7526

Trichromacy



Original Color

28.4780, 55.4341, 10.2975



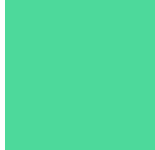
Protanomaly

35.5760, 51.4485, 8.7173



Deuteranomaly

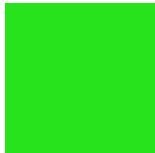
37.4901, 49.9330, 10.1447



Tritanomaly

33.7898, 53.5700, 39.5695

Monochromacy



Original Color

28.4780, 55.4341, 10.2975



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

24.4052, 35.6319, 18.6881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4780, 55.4341, 10.2975 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(38, 227, 28)` looks like.

```
.text, #text, p{  
    color:rgb(38, 227, 28)  
}
```

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(38, 227, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 227, 28) }
```

Border

The CSS property to change the border of an element to XYZ 28.4780, 55.4341, 10.2975 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(38, 227, 28) }
```


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

```
.border{ border-color:rgb(38, 227, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 227, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 227, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 227, 28);  
box-shadow:4px 4px 4px 4px rgb(38, 227,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4780, 55.4341, 10.2975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 227, 28) }
```

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

```
.background{ background-color: rgb(38, 227,  
28) }
```

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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