

Converting Colors

XYZ(28.4725, 55.8247, 10.9946)

Have a look what the booklet for
XYZ(28.4725, 55.8247, 10.9946)
contains.

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Color

**XYZ(28.4782, 55.8270,
11.0250)**

Conversions

Conversions Part 1

Format	Color
Hex	19E425
RGB	25, 228, 37
RGB Percent	10%, 89%, 15%
CMY	0.9020, 0.1059, 0.8549
CMYK	0.89, 0.00, 0.84, 0.11
HSL	124°, 80%, 50%
HSV	124°, 89%, 89%
XYZ	28.4782, 55.8270, 11.0250
YIQ	145.5290, -59.6770, -102.4370

Conversions

Conversions Part 2

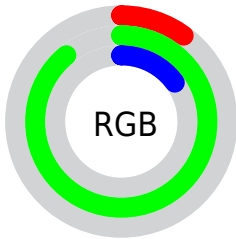
Format	Color
R _Y B	25, 217, 228
Decimal	1696805
CIE Lab	79.52, -77.13, 71.46
CIE LCh	80, 105.146, 137.183
Yxy	55.8270, 0.2987, 0.5856
Android (android.graphics.Color)	4279886885 (0xFF19E425)
YUV	145.5290, -53.5048, -105.7039
Hunter-Lab	74.7175, -62.7212, 43.5536

Details

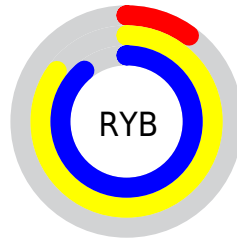
The XYZ color **28.4782, 55.8270, 11.0250** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **44.7376, 22.1474, 66.8782**, and the grayscale version is **27.3596, 28.7844, 31.3462**.

A 20% lighter version of the original color is **45.4451, 76.2415, 24.6328**, and **14.5629, 29.1258, 4.8543** is the 20% darker color. If you saturate the color by 10%, you get **27.8623, 55.5393, 9.7248**, and if you desaturate by 10%, it is **29.7296, 56.4228, 13.3887**.

Distribution



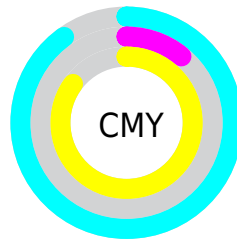
- Red (10%)
- Green (89%)
- Blue (15%)



- Red (10%)
- Yellow (85%)
- Blue (89%)



- Cyan (89%)
- Magenta (0%)
- Yellow (84%)
- Black (11%)





- Cyan (90%)
- Magenta (11%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.4782, 55.8270, 11.0250 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 28.4782, 55.8270, 11.0250 by changing the saturation by 10% instead.


 28.4782, 55.8270,
11.0250


 28.4782, 55.8270,
11.0250


286.7837,
409.0392, 208.5826


 18.8287, 40.0642,
5.9693


 56.6503, 98.7516,
28.3437


 11.6499, 27.5886,
2.7579


 75.9037, 126.6822,
41.4438


 6.5762, 18.0158,
0.9724


 99.0891, 159.4376,
58.0625

 3.2425, 10.9613,
0.0000

 126.5719,
197.4020, 78.6182

 1.2833, 6.0408,
0.0000

 158.7174,
240.9601, 103.5295

 0.1706, 2.8699,
0.0000

 195.8909,

 0.0000, 1.0642,

290.4960, 133.2150

0.0000

238.4579,
346.3942, 168.0932

■ 0.0000, 0.0000,
0.0000

■ 28.4782, 55.8270,
11.0250

■ 28.4782, 55.8270,
11.0250

■ 27.8623, 55.5393,
9.7248

■ 29.7296, 56.4228,
13.3887

■ 27.8203, 55.5193,
9.6476

■ 31.7586, 57.3915,
16.9765

■ 34.6663, 58.7839,
21.9252

■ 38.5375, 60.6413,
28.3525

■ 43.4468, 63.0000,
36.3633

■ 49.4619, 65.8926,
46.0531

■ 56.6443, 69.3491,
57.5098

■ 65.0513, 73.3973,
70.8151

■ 74.7363, 78.0630,
86.0457

Harmonies

Analogous

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



41.9347, 55.8270, 3.6063



28.4782, 55.8270, 11.0250



22.4726, 55.8270, 38.4432

Triad

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



28.4782, 55.8270, 11.0250



44.5446, 55.8270, 259.6665



102.1494, 55.8270, 32.4689

Complementary

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



28.4782, 55.8270, 11.0250



44.7376, 22.1474, 66.8782

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.



103.3951, 55.8270, 90.4455



28.4782, 55.8270, 11.0250



66.0015, 55.8270, 253.6683

Square

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



28.4782, 55.8270, 11.0250



29.9494, 55.8270, 192.4371



88.8190, 55.8270, 179.2266



85.7667, 55.8270, 9.1347

Rectangle

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



28.4782, 55.8270, 11.0250



22.0836, 55.8270, 76.5386



88.8190, 55.8270, 179.2266



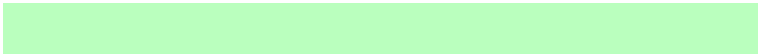
104.4813, 55.8270, 47.3584

Sweetspot

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



28.4795, 55.8293, 11.0263



65.3649, 85.7054, 61.9411



56.7897, 70.4421, 11.5233



13.3646, 18.0432, 12.2546



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.



28.4795, 55.8293, 11.0263



35.8468, 71.5547, 12.3773



32.6358, 57.4919, 32.9133



14.2237, 16.1029, 15.4429



16.0780, 32.0633, 5.6449



1.2004, 2.3743, 0.4817

Inverse Universe

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



44.7376, 22.1474, 66.8782



56.9553, 27.5461, 84.6854



35.5167, 18.4591, 18.3215



14.9564, 14.5997, 17.9706



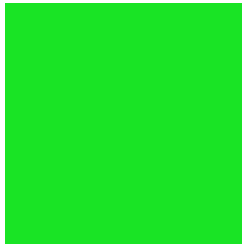
25.5373, 12.3491, 38.0537



1.8984, 0.9171, 2.8714

Previews

White Background



This preview shows how the XYZ color 28.4782, 55.8270, 11.0250 looks on a white background.

Color Contrast Check

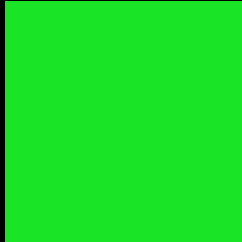
Large Text (above 18pt) WCAG AA × Fail

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 28.4782, 55.8270, 11.0250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

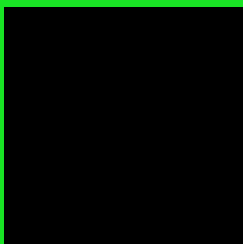
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

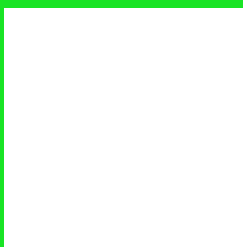
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.4782, 55.8270, 11.0250

Background



This preview shows how black text looks on a background with the XYZ color 28.4782, 55.8270, 11.0250.

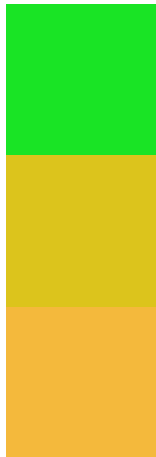


This preview shows how white text looks on a background with the XYZ color 28.4782, 55.8270,

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

28.4782, 55.8270, 11.0250

Protanopia

49.4647, 54.7793, 9.0650

Deuteranopia

55.4728, 54.2573, 11.8239



Tritanopia

42.6161, 55.2855, 82.5538

Trichromacy



Original Color

28.4782, 55.8270, 11.0250



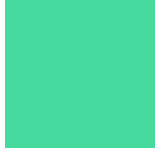
Protanomaly

35.1976, 51.6002, 9.4011



Deuteranomaly

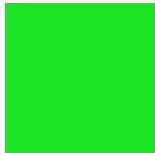
36.8163, 49.9137, 10.9427



Tritanomaly

33.9279, 53.9856, 41.4330

Monochromacy



Original Color

28.4782, 55.8270, 11.0250



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

23.6063, 34.9161, 19.1310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4782, 55.8270, 11.0250 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(25, 228, 37)` looks like.

```
.text, #text, p{  
    color:rgb(25, 228, 37)  
}
```

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(25, 228, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 228, 37) }
```

Border

The CSS property to change the border of an element to XYZ 28.4782, 55.8270, 11.0250 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(25, 228, 37) }
```


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

```
.border{ border-color:rgb(25, 228, 37) }
```

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

Here you see how a box with a 4 pixel rgb(25, 228, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 228, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 228, 37);  
box-shadow:4px 4px 4px 4px rgb(25, 228,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4782, 55.8270, 11.0250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 228, 37) }
```

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

```
.background{ background-color: rgb(25, 228,  
37) }
```

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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