

Converting Colors

XYZ(29.5412, 56.2529, 16.6679)

Have a look what the booklet for
XYZ(29.5412, 56.2529, 16.6679)
contains.

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Color

**XYZ(29.5556, 56.2580,
16.6983)**

Conversions

Conversions Part 1

Format	Color
Hex	19E44F
RGB	25, 228, 79
RGB Percent	10%, 89%, 31%
CMY	0.9019, 0.1059, 0.6902
CMYK	0.89, 0.00, 0.65, 0.11
HSL	136°, 80%, 50%
HSV	136°, 89%, 89%
XYZ	29.5556, 56.2580, 16.6983
YIQ	150.3170, -73.1590, -89.3750

Conversions

Conversions Part 2

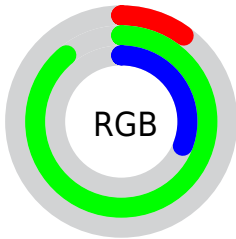
Format	Color
RYB	25, 185, 228
Decimal	1696847
CIELab	79.76, -74.02, 58.05
CIELCh	80, 94.066, 141.893
Yxy	56.2580, 0.2883, 0.5488
Android (android.graphics.Color)	4279886927 (0xFF19E44F)
YUV	150.3170, -35.1593, -109.9030
Hunter-Lab	75.0053, -60.9220, 39.3041

Details

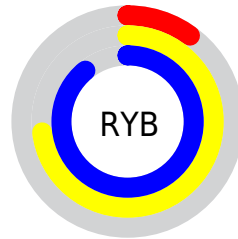
The XYZ color **29.5556, 56.2580, 16.6983** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **39.9841, 20.2461, 41.8461**, and the grayscale version is **29.2928, 30.8183, 33.5611**.

A 20% lighter version of the original color is **47.1333, 76.8861, 34.9106**, and **14.6491, 29.1603, 5.3084** is the 20% darker color. If you saturate the color by 10%, you get **28.6490, 55.8540, 13.8673**, and if you desaturate by 10%, it is **31.0535, 56.9524, 20.3599**.

Distribution



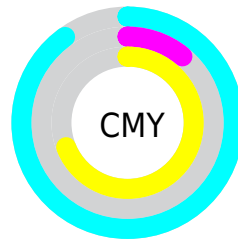
- Red (10%)
- Green (89%)
- Blue (31%)



- Red (10%)
- Yellow (73%)
- Blue (89%)



- Cyan (89%)
- Magenta (0%)
- Yellow (65%)
- Black (11%)



- Cyan (90%)
- Magenta (11%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5556, 56.2580, 16.6983 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 29.5556, 56.2580, 16.6983 by changing the saturation by 10% instead.

■ 29.5556, 56.2580,
16.6983

■ 29.5556, 56.2580,
16.6983

291.7746,
410.6631, 245.4125

■ 19.6479, 40.4098,
9.8599

■ 58.3501, 99.3817,
38.5898

■ 12.2461, 27.8582,
5.2018

■ 77.9677, 127.4260,
54.4801

■ 6.9849, 18.2188,
2.3053

■ 101.5526,
160.3045, 74.2247

■ 3.4989, 11.1072,
0.7342

■ 129.4702,
198.4015, 98.2423

■ 1.4228, 6.1390,
0.0000

■ 162.0858,
242.1015, 126.9513

■ 0.2724, 2.9298,
0.0000

199.7649,

■ 0.0000, 1.0952,

291.7888, 160.7703

0.0000

242.8727,
347.8479, 200.1179

■ 0.0000, 0.0000,
0.0000

■ 29.5556, 56.2580,
16.6983

■ 29.5556, 56.2580,
16.6983

■ 28.6490, 55.8540,
13.8673

■ 31.0535, 56.9524,
20.3599

■ 28.5775, 55.8222,
13.6346

■ 33.2652, 57.9941,
24.9090

■ 36.2762, 59.4279,
30.4010

■ 40.1583, 61.2897,
36.8853

■ 44.9751, 63.6113,
44.4081

■ 50.7841, 66.4216,
53.0125

■ 57.6381, 69.7467,
62.7391

■ 65.5860, 73.6113,
73.6264

■ 74.6737, 78.0381,
85.7111

Harmonies

Analogous

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



40.9654, 56.2580, 6.4147



29.5556, 56.2580, 16.6983



24.8306, 56.2580, 47.6457

Triad

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



29.5556, 56.2580, 16.6983



48.4803, 56.2580, 234.3649



95.0713, 56.2580, 29.9218

Complementary

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



29.5556, 56.2580, 16.6983



39.9841, 20.2461, 41.8461

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.



98.4438, 56.2580, 77.2374



29.5556, 56.2580, 16.6983



68.2945, 56.2580, 218.8101

Square

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



29.5556, 56.2580, 16.6983



33.9350, 56.2580, 186.0914



87.7043, 56.2580, 151.2479



79.3540, 56.2580, 10.2858

Rectangle

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



29.5556, 56.2580, 16.6983



25.0831, 56.2580, 85.4657



87.7043, 56.2580, 151.2479



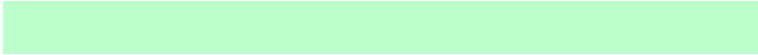
97.8150, 56.2580, 42.1123

Sweetspot

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



29.5569, 56.2603, 16.6996



67.0012, 86.3599, 70.5576



46.1093, 64.9362, 11.0236



13.7402, 18.1935, 14.2326



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.



29.5569, 56.2603, 16.6996



36.7983, 71.9353, 17.3878



36.1066, 58.8802, 51.1897



14.3460, 16.1518, 16.0866



16.5430, 32.2493, 8.0936



1.2602, 2.3982, 0.7967

Inverse Universe

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



39.9841, 20.2461, 41.8461



50.2274, 24.8550, 49.2569



33.6398, 17.7084, 8.4376



14.8229, 14.5463, 17.2675



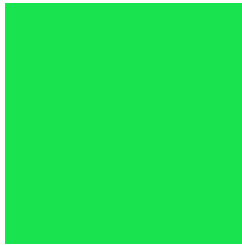
22.5729, 11.1634, 22.4434



1.7060, 0.8401, 1.8584

Previews

White Background



This preview shows how the XYZ color 29.5556, 56.2580, 16.6983 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 29.5556, 56.2580, 16.6983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

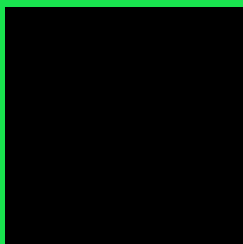
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.5556, 56.2580, 16.6983

Background



This preview shows how black text looks on a background with the XYZ color 29.5556, 56.2580, 16.6983.



This preview shows how white text looks on a background with the XYZ color 29.5556, 56.2580,

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

29.5556, 56.2580, 16.6983

Protanopia

50.0588, 54.9821, 13.7686

Deuteranopia

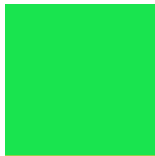
56.1086, 54.7678, 17.7392



Tritanopia

42.8341, 55.7377, 84.1022

Trichromacy



Original Color

29.5556, 56.2580, 16.6983



Protanomaly

35.9712, 51.8887, 14.4230



Deuteranomaly

37.7112, 50.2479, 16.7281



Tritanomaly

35.3621, 54.5426, 49.7383

Monochromacy



Original Color

29.5556, 56.2580, 16.6983



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

25.3842, 36.2993, 24.7374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5556, 56.2580, 16.6983 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, 79)` looks like.

```
.text, #text, p{  
    color:rgb(25, 228, 79)  
}
```

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, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 228, 79) }
```

Border

The CSS property to change the border of an element to XYZ 29.5556, 56.2580, 16.6983 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, 79) }
```


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

```
.border{ border-color:rgb(25, 228, 79) }
```

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, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 228, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 228, 79);  
box-shadow:4px 4px 4px 4px rgb(25, 228,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5556, 56.2580, 16.6983 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, 79) }
```

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

```
.background{ background-color: rgb(25, 228,  
79) }
```

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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