

Converting Colors

XYZ(28.5934, 56.3801, 10.3101)

Have a look what the booklet for
XYZ(28.5934, 56.3801, 10.3101)
contains.

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Color

**XYZ(28.5481, 56.2910,
10.2803)**

Conversions

Conversions Part 1

Format	Color
Hex	17E519
RGB	23, 229, 25
RGB Percent	9%, 90%, 10%
CMY	0.9098, 0.1019, 0.9019
CMYK	0.90, 0.00, 0.89, 0.10
HSL	121°, 82%, 49%
HSV	121°, 90%, 90%
XYZ	28.5481, 56.2910, 10.2803
YIQ	144.1500, -57.2920, -107.1160

Conversions

Conversions Part 2

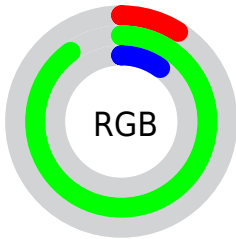
Format	Color
RYB	23, 227, 229
Decimal	1565977
CIELab	79.78, -77.99, 74.07
CIELCh	80, 107.557, 136.479
Yxy	56.2910, 0.3001, 0.5918
Android (android.graphics.Color)	4279756057 (0xFF17E519)
YUV	144.1500, -58.7410, -106.2486
Hunter-Lab	75.0273, -63.3781, 44.3952

Details

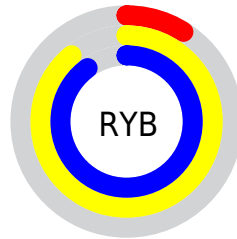
The XYZ color **28.5481, 56.2910, 10.2803** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **46.4841, 22.8167, 74.6174**, and the grayscale version is **26.8173, 28.2139, 30.7250**.

A 20% lighter version of the original color is **45.1617, 76.1281, 23.1404**, and **14.7525, 29.5050, 4.9175** is the 20% darker color. If you saturate the color by 10%, you get **28.0345, 56.0467, 9.4077**, and if you desaturate by 10%, it is **29.6698, 56.8303, 12.1686**.

Distribution



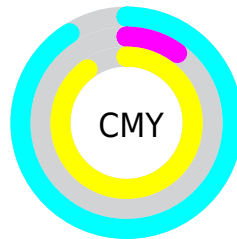
- Red (9%)
- Green (90%)
- Blue (10%)



- Red (9%)
- Yellow (89%)
- Blue (90%)



- Cyan (90%)
- Magenta (0%)
- Yellow (89%)
- Black (10%)





- Cyan (91%)
- Magenta (10%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.5481, 56.2910, 10.2803 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 28.5481, 56.2910, 10.2803 by changing the saturation by 10% instead.


 28.5481, 56.2910,
10.2803


 28.5481, 56.2910,
10.2803


287.1096,
410.7872, 203.2180


 18.8818, 40.4363,
5.4772


 56.7609, 99.4299,
26.9374


 11.6884, 27.8789,
2.4663


 76.0381, 127.4829,
39.6285


 6.6026, 18.2344,
0.8222


 99.2496, 160.3708,
55.7859

 3.2589, 11.1184,
0.0000

 126.7608,
198.4780, 75.8283

 1.2921, 6.1465,
0.0000

 158.9370,
242.1888, 100.1742

 0.1773, 2.9344,
0.0000

 196.1437,

 0.0000, 1.0976,

291.8877, 129.2421

0.0000

238.7461,
347.9590, 163.4505

■ 0.0000, 0.0000,
0.0000

■ 28.5481, 56.2910,
10.2803

■ 28.5481, 56.2910,
10.2803

■ 28.0345, 56.0467,
9.4077

■ 29.6698, 56.8303,
12.1686


■ 28.0328, 56.0459,
9.4049


■ 31.5776, 57.7457,
15.3371


■ 34.3818, 59.0919,
19.9599


■ 38.1743, 60.9131,
26.1831

■ 43.0353, 63.2481,
34.1353

 49.0372, 66.1316,
43.9318

 56.2459, 69.5953,
55.6780

 64.7222, 73.6685,
69.4715

 74.5229, 78.3784,
85.4032

Harmonies

Analogous

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



42.4960, 56.2910, 3.2434



28.5481, 56.2910, 10.2803



22.2742, 56.2910, 37.3384

Triad

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



28.5481, 56.2910, 10.2803



44.3094, 56.2910, 267.0371



104.4544, 56.2910, 33.2095

Complementary

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



28.5481, 56.2910, 10.2803



46.4841, 22.8167, 74.6174

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.



105.3295, 56.2910, 93.7720



28.5481, 56.2910, 10.2803



66.2631, 56.2910, 262.7916

Square

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



28.5481, 56.2910, 10.2803



29.5640, 56.2910, 195.6032



89.9144, 56.2910, 186.2799



87.7741, 56.2910, 9.0073

Rectangle

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



28.5481, 56.2910, 10.2803



21.7806, 56.2910, 75.8225



89.9144, 56.2910, 186.2799



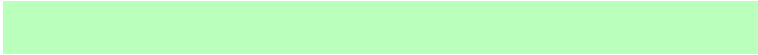
106.7368, 56.2910, 48.7465

Sweetspot

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



28.5494, 56.2933, 10.2816



64.9970, 85.5582, 60.0038



60.4896, 72.7615, 11.6667



13.2810, 18.0098, 11.8144



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.



28.5494, 56.2933, 10.2816



35.7737, 71.5255, 11.9921



32.1397, 57.7295, 29.1880



14.1951, 16.0915, 15.2919



16.0296, 32.0440, 5.3905



1.1866, 2.3687, 0.4090

Inverse Universe

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



46.4841, 22.8167, 74.6174



58.8905, 28.3202, 94.8760



36.3868, 18.7778, 21.4457



14.9887, 14.6127, 18.1411



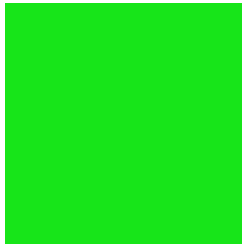
26.3861, 12.6887, 42.5238



1.9518, 0.9384, 3.1528

Previews

White Background



This preview shows how the XYZ color 28.5481, 56.2910, 10.2803 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 28.5481, 56.2910, 10.2803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

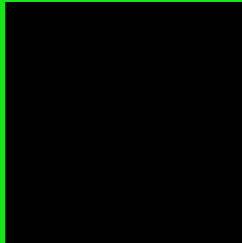
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.5481, 56.2910, 10.2803

Background



This preview shows how black text looks on a background with the XYZ color 28.5481, 56.2910, 10.2803.



This preview shows how white text looks on a background with the XYZ color 28.5481, 56.2910,

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

28.5481, 56.2910, 10.2803

Protanopia

49.6135, 54.8739, 8.2640

Deuteranopia

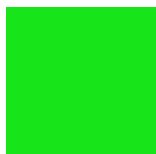
56.2545, 54.9865, 11.2629



Tritanopia

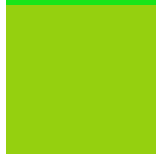
43.1142, 55.8983, 83.3800

Trichromacy



Original Color

28.5481, 56.2910, 10.2803



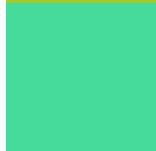
Protanomaly

35.0365, 51.5358, 8.5527



Deuteranomaly

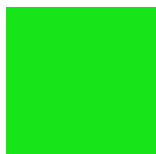
37.0922, 50.4222, 10.1604



Tritanomaly

33.8464, 54.3692, 39.7208

Monochromacy



Original Color

28.5481, 56.2910, 10.2803



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

22.9345, 34.3089, 17.7254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5481, 56.2910, 10.2803 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(23, 229, 25)` looks like.

```
.text, #text, p{  
    color:rgb(23, 229, 25)  
}
```

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(23, 229, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 229, 25) }
```

Border

The CSS property to change the border of an element to XYZ 28.5481, 56.2910, 10.2803 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(23, 229, 25) }
```


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

```
.border{ border-color:rgb(23, 229, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 229, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 229, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 229, 25);  
box-shadow:4px 4px 4px 4px rgb(23, 229,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5481, 56.2910, 10.2803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 229, 25) }
```

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

```
.background{ background-color: rgb(23, 229,  
25) }
```

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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