

Converting Colors

XYZ(28.5048, 54.2232, 18.0915)

Have a look what the booklet for
XYZ(28.5048, 54.2232, 18.0915)
contains.

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Color

**XYZ(28.4171, 54.0159,
18.1609)**

Conversions

Conversions Part 1

Format	Color
Hex	00E058
RGB	0, 224, 88
RGB Percent	0%, 88%, 35%
CMY	1.0000, 0.1216, 0.6549
CMYK	1.00, 0.00, 0.61, 0.12
HSL	144°, 100%, 44%
HSV	144°, 100%, 88%
XYZ	28.4171, 54.0159, 18.1609
YIQ	141.5200, -89.8480, -89.7840

Conversions

Conversions Part 2

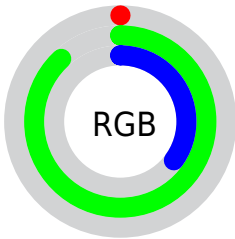
Format	Color
RYB	0, 161, 224
Decimal	57432
CIELab	78.47, -72.87, 52.79
CIELCh	78, 89.979, 144.078
Yxy	54.0159, 0.2825, 0.5370
Android (android.graphics.Color)	4278247512 (0xFF00E058)
YUV	141.5200, -26.3854, -124.1130
Hunter-Lab	73.4955, -59.6000, 36.7962

Details

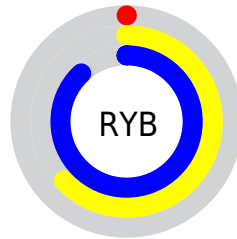
The XYZ color **28.4171, 54.0159, 18.1609** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **35.1861, 17.6258, 24.8424**, and the grayscale version is **25.6494, 26.9852, 29.3869**.

A 20% lighter version of the original color is **46.8268, 76.6611, 37.9202**, and **14.0794, 27.7417, 5.9791** is the 20% darker color. If you saturate the color by 10%, you get **28.4182, 54.0180, 18.1613**, and if you desaturate by 10%, it is **29.3753, 54.4401, 21.4275**.

Distribution



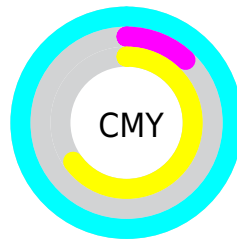
- Red (0%)
- Green (88%)
- Blue (35%)



- Red (0%)
- Yellow (63%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (61%)
- Black (12%)



- Cyan (100%)
- Magenta (12%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4171, 54.0159, 18.1609 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 28.4171, 54.0159, 18.1609 by changing the saturation by 10% instead.

■ 28.4171, 54.0159,
18.1609

■ 28.4171, 54.0159,
18.1609

286.4987,
402.1706, 254.0429

■ 18.7824, 38.6144,
10.8949

■ 56.5537, 96.0976,
41.1289

■ 11.6162, 26.4599,
5.8829

■ 75.7862, 123.5465,
57.6681

■ 6.5532, 17.1680,
2.7064

■ 98.9488, 155.7801,
78.1354

■ 3.2281, 10.3543,
0.9466

■ 126.4067,
193.1826, 102.9494

■ 1.2755, 5.6345,
0.0000

■ 158.5252,
236.1386, 132.5286

■ 0.1648, 2.6241,
0.0000

195.6699,

■ 0.0000, 0.9388,

285.0323, 167.2915

0.0000

238.2059,
340.2482, 207.6568

■ 0.0000, 0.0000,
0.0000

■ 28.4171, 54.0159,
18.1609

■ 28.4171, 54.0159,
18.1609

■ 28.4182, 54.0180,
18.1613

■ 29.3753, 54.4401,
21.4275

■ 30.8367, 55.1095,
25.2934

■ 32.9352, 56.0939,
29.7924

■ 35.7481, 57.4327,
34.9526

■ 39.3411, 59.1592,
40.8005

■ 43.7720, 61.3028,
47.3608

■ 49.0929, 63.8898,
54.6571

■ 55.3515, 66.9445,
62.7117

■ 62.5920, 70.4891,
71.5460

Harmonies

Analogous

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



38.6696, 54.0159, 7.1614



28.4171, 54.0159, 18.1609



24.3836, 54.0159, 49.3199

Triad

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



28.4171, 54.0159, 18.1609



47.9085, 54.0159, 218.7923



89.1032, 54.0159, 27.3373

Complementary

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



28.4171, 54.0159, 18.1609



35.1861, 17.6258, 24.8424

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.



93.1780, 54.0159, 69.4547



28.4171, 54.0159, 18.1609



66.5149, 54.0159, 200.2312

Square

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



28.4171, 54.0159, 18.1609



33.8501, 54.0159, 178.3238



84.1276, 54.0159, 136.5337



74.0079, 54.0159, 9.9269

Rectangle

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



28.4171, 54.0159, 18.1609



24.8988, 54.0159, 85.8514



84.1276, 54.0159, 136.5337



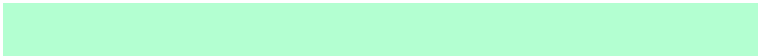
91.9330, 54.0159, 38.1484

Sweetspot

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



28.4184, 54.0181, 18.1621



65.6884, 85.6256, 73.0972



37.1608, 58.7285, 9.3773



13.3816, 17.9972, 14.7319



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.



28.4184, 54.0181, 18.1621



38.0688, 72.4435, 24.0782



36.8349, 57.3847, 62.4830



13.7506, 15.4260, 15.7221



16.5935, 31.4623, 10.8484



1.1933, 2.1980, 0.9790

Inverse Universe

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



35.1861, 17.6258, 24.8424



47.1415, 23.6206, 33.0070



30.9298, 15.9233, 2.4288



14.0550, 13.8396, 16.0600



20.5380, 10.2822, 14.7647



1.4672, 0.7302, 1.2532

Previews

White Background



This preview shows how the XYZ color 28.4171, 54.0159, 18.1609 looks on a white background.

Color Contrast Check

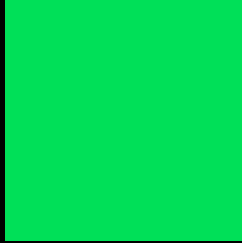
Large Text (above 18pt) WCAG AA × Fail

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 28.4171, 54.0159, 18.1609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

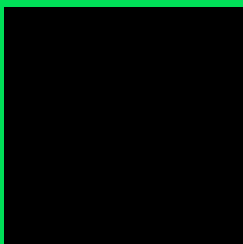
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

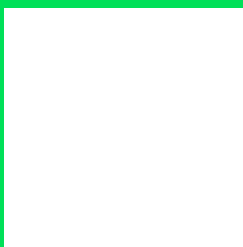
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.4171, 54.0159, 18.1609

Background



This preview shows how black text looks on a background with the XYZ color 28.4171, 54.0159, 18.1609.



This preview shows how white text looks on a background with the XYZ color 28.4171, 54.0159,

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

28.4171, 54.0159, 18.1609

Protanopia

48.2128, 53.0006, 15.0862

Deuteranopia

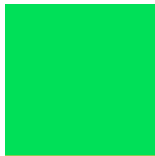
53.8258, 52.6199, 19.3763



Tritanopia

41.0315, 53.7631, 80.8878

Trichromacy



Original Color

28.4171, 54.0159, 18.1609



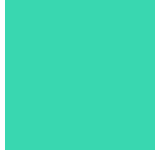
Protanomaly

33.2692, 49.0292, 15.6927



Deuteranomaly

34.8831, 47.7167, 18.4380



Tritanomaly

33.8243, 52.6053, 49.4454

Monochromacy



Original Color

28.4171, 54.0159, 18.1609



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

22.4818, 33.0838, 23.6133

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4171, 54.0159, 18.1609 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, 224, 88)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 88)  
}
```

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, 224, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 88) }
```

Border

The CSS property to change the border of an element to XYZ 28.4171, 54.0159, 18.1609 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, 224, 88) }
```


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

```
.border{ border-color:rgb(0, 224, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 224, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 88);  
box-shadow:4px 4px 4px 4px rgb(0, 224, 88)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.4171, 54.0159, 18.1609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 224, 88) }
```

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

```
.background{ background-color: rgb(0, 224,  
88) }
```

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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