

Converting Colors

XYZ(28.0038, 52.1570, 8.5913)

Have a look what the booklet for
XYZ(28.0038, 52.1570, 8.5913)
contains.

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Color

**XYZ(27.9301, 52.0026,
8.5654)**

Conversions

Conversions Part 1

Format	Color
Hex	47DB00
RGB	71, 219, 0
RGB Percent	28%, 86%, 0%
CMY	0.7216, 0.1412, 0.9999
CMYK	0.68, 0.00, 1.00, 0.14
HSL	101°, 100%, 43%
HSV	101°, 100%, 86%
XYZ	27.9301, 52.0026, 8.5654
YIQ	149.7820, -17.9090, -99.4850

Conversions

Conversions Part 2

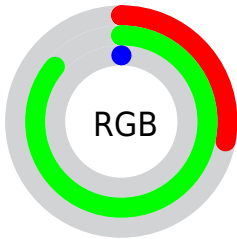
Format	Color
RYB	0, 219, 148
Decimal	4709120
CIELab	77.28, -69.66, 75.14
CIELCh	77, 102.462, 132.836
Yxy	52.0026, 0.3156, 0.5876
Android (android.graphics.Color)	4282899200 (0xFF47DB00)
YUV	149.7820, -73.8425, -69.0918
Hunter-Lab	72.1128, -57.0624, 43.4366

Details

The XYZ color **27.9301, 52.0026, 8.5654** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **25.0051, 11.4139, 67.9058**, and the grayscale version is **29.2082, 30.7293, 33.4642**.

A 20% lighter version of the original color is **48.0472, 77.6648, 21.0528**, and **12.9203, 25.8407, 4.3068** is the 20% darker color. If you saturate the color by 10%, you get **27.9298, 52.0041, 8.5657**, and if you desaturate by 10%, it is **29.2963, 52.6918, 9.3818**.

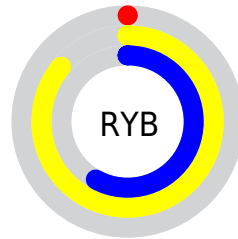
Distribution



Red (28%)

Green (86%)

Blue (0%)



Red (0%)

Yellow (86%)

Blue (58%)

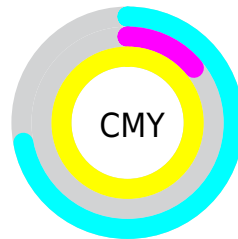


Cyan (68%)

Magenta (0%)

Yellow (100%)

Black (14%)



Cyan (72%)

Magenta (14%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9301, 52.0026, 8.5654 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 27.9301, 52.0026, 8.5654 by changing the saturation by 10% instead.

27.9301, 52.0026,
8.5654

27.9301, 52.0026,
8.5654

284.2189,
394.4466, 190.1990

18.4132, 37.0071,
4.3659

55.7822, 93.1351,
23.6238

11.3485, 25.2130,
1.8281

74.8482, 120.0409,
35.3198

6.3708, 16.2358,
0.4464

97.8278, 151.6856,
50.3518

3.1146, 9.6912,
0.0000

125.0865,
188.4536, 69.1381

1.2147, 5.1947,
0.0000

156.9896,
230.7293, 92.0975

0.1179, 2.3619,
0.0000

193.9024,

0.0000, 0.8062,

278.8972, 119.6484

0.0000

236.1904,
333.3415, 152.2094

■ 0.0000, 0.0000,
0.0000

■ 27.9301, 52.0026,
8.5654

■ 27.9301, 52.0026,
8.5654

■ 27.9298, 52.0041,
8.5657

■ 29.2963, 52.6918,
9.3818

■ 31.1067, 53.5896,
11.0702

■ 33.4318, 54.7278,
13.9137

■ 36.3167, 56.1259,
18.0712

■ 39.8005, 57.8014,
23.6767

■ 43.9184, 59.7698,
30.8474

■ 48.7026, 62.0454,
39.6888

■ 54.1830, 64.6416,
50.2971

■ 60.3876, 67.5707,
62.7612

Harmonies

Analogous

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



41.4987, 52.0026, 3.0787



27.9301, 52.0026, 8.5654



21.4005, 52.0026, 30.3137

Triad

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



27.9301, 52.0026, 8.5654



39.0933, 52.0026, 235.7283



96.1811, 52.0026, 35.8229

Complementary

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



27.9301, 52.0026, 8.5654



25.0051, 11.4139, 67.9058

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.



95.0343, 52.0026, 94.9389



27.9301, 52.0026, 8.5654



58.3056, 52.0026, 241.2455

Square

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



27.9301, 52.0026, 8.5654



26.5733, 52.0026, 166.6698



79.8261, 52.0026, 178.8248



82.6364, 52.0026, 10.3133

Rectangle

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



27.9301, 52.0026, 8.5654



20.4774, 52.0026, 62.1463



79.8261, 52.0026, 178.8248



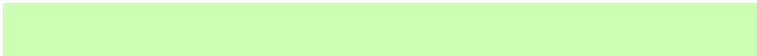
97.5875, 52.0026, 51.4352

Sweetspot

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



27.9313, 52.0048, 8.5666



68.5552, 87.4924, 55.6577



39.4954, 35.6220, 4.7949



14.0361, 18.4241, 10.7195



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.



27.9313, 52.0048, 8.5666



39.2965, 73.3431, 12.0855



25.6594, 50.7959, 10.1634



13.2819, 14.8101, 13.8842



16.6626, 30.8874, 5.0837



1.1681, 2.0467, 0.3335

Inverse Universe

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



25.0051, 11.4139, 67.9058



35.1402, 16.0303, 95.8498



37.7110, 18.4597, 46.1071



13.1828, 13.0523, 16.4767



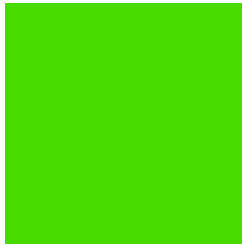
14.9444, 6.8283, 40.2687



1.0569, 0.4881, 2.6130

Previews

White Background



This preview shows how the XYZ color 27.9301, 52.0026, 8.5654 looks on a white background.

Color Contrast Check

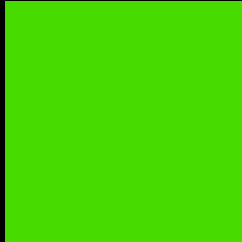
Large Text (above 18pt) WCAG AA × Fail

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 27.9301, 52.0026, 8.5654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

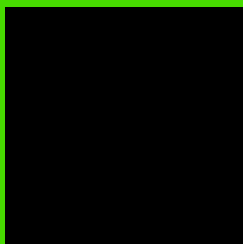
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.9301, 52.0026, 8.5654

Background



This preview shows how black text looks on a background with the XYZ color 27.9301, 52.0026, 8.5654.



This preview shows how white text looks on a background with the XYZ color 27.9301, 52.0026,

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

27.9301, 52.0026, 8.5654

Protanopia

46.1450, 51.1231, 7.4356

Deuteranopia

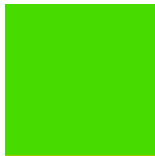
52.0743, 51.0169, 9.6874



Tritanopia

41.3212, 51.8637, 75.5430

Trichromacy



Original Color

27.9301, 52.0026, 8.5654



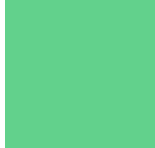
Protanomaly

35.7869, 49.4547, 7.6595



Deuteranomaly

37.6450, 48.0194, 8.4470



Tritanomaly

32.5711, 50.0910, 32.7628

Monochromacy



Original Color

27.9301, 52.0026, 8.5654



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

25.2807, 35.5511, 16.3561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9301, 52.0026, 8.5654 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(71, 219, 0)` looks like.

```
.text, #text, p{  
    color:rgb(71, 219, 0)  
}
```

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(71, 219, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 219, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.9301, 52.0026, 8.5654 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(71, 219, 0) }
```


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

```
.border{ border-color:rgb(71, 219, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 219, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 219, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 219, 0);  
box-shadow:4px 4px 4px 4px rgb(71, 219, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 27.9301, 52.0026, 8.5654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 219, 0) }
```

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

```
.background{ background-color: rgb(71, 219,  
0) }
```

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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