

Converting Colors

XYZ(29.2034, 56.8547, 9.4349)

Have a look what the booklet for
XYZ(29.2034, 56.8547, 9.4349)
contains.

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Color

**XYZ(29.3355, 57.1291,
9.4809)**

Conversions

Conversions Part 1

Format	Color
Hex	2CE600
RGB	44, 230, 0
RGB Percent	17%, 90%, 0%
CMY	0.8275, 0.0980, 0.9999
CMYK	0.81, 0.00, 1.00, 0.10
HSL	109°, 100%, 45%
HSV	109°, 100%, 90%
XYZ	29.3355, 57.1291, 9.4809
YIQ	148.1660, -37.0260, -110.9620

Conversions

Conversions Part 2

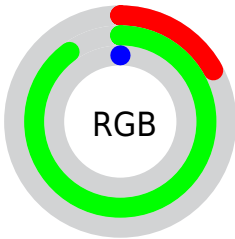
Format	Color
RYB	0, 230, 186
Decimal	2942464
CIELab	80.25, -76.98, 77.31
CIELCh	80, 109.097, 134.879
Yxy	57.1291, 0.3058, 0.5954
Android (android.graphics.Color)	4281132544 (0xFF2CE600)
YUV	148.1660, -73.0458, -91.3536
Hunter-Lab	75.5838, -62.9924, 45.4716

Details

The XYZ color **29.3355, 57.1291, 9.4809** 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 **34.5425, 16.1578, 76.1642**, and the grayscale version is **28.5270, 30.0127, 32.6838**.

A 20% lighter version of the original color is **45.9377, 76.5681, 21.3748**, and **14.9436, 29.8871, 4.9812** is the 20% darker color. If you saturate the color by 10%, you get **29.3355, 57.1308, 9.4812**, and if you desaturate by 10%, it is **30.4775, 57.7017, 10.3435**.

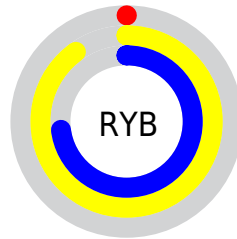
Distribution



Red (17%)

Green (90%)

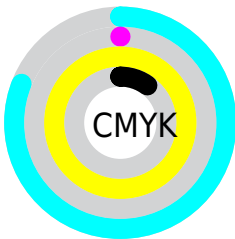
Blue (0%)



Red (0%)

Yellow (90%)

Blue (73%)

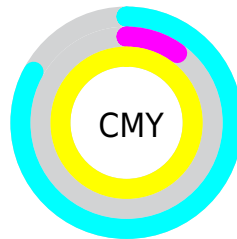


Cyan (81%)

Magenta (0%)

Yellow (100%)

Black (10%)



Cyan (83%)


Magenta (10%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.3355, 57.1291, 9.4809 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 29.3355, 57.1291, 9.4809 by changing the saturation by 10% instead.


 29.3355, 57.1291,
9.4809


 29.3355, 57.1291,
9.4809


290.7604,
413.9329, 197.2742


 19.4803, 41.1089,
4.9551


 58.0036, 100.6535,
25.4068

 12.1239, 28.4042,
2.1627


 77.5472, 128.9266,
37.6440


 6.9009, 18.6306,
0.6527


 101.0510,
162.0527, 53.2887

 3.4460, 11.4036,
0.0000

 128.8804,
200.4162, 72.7595

 1.3938, 6.3390,
0.0000

 161.4006,
244.4016, 96.4749

 0.2518, 3.0523,
0.0000

 198.9772,

 0.0000, 1.1591,

294.3933, 124.8535

0.0000

241.9753,
350.7756, 158.3137

■ 0.0000, 0.0279,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.3355, 57.1291,
9.4809

■ 29.3355, 57.1291,
9.4809

■ 29.3355, 57.1308,
9.4812

■ 30.4775, 57.7017,
10.3435

■ 32.2027, 58.5519,
12.1925

■ 34.6075, 59.7245,
15.3396

■ 37.7584, 61.2497,
19.9652

■ 41.7133, 63.1541,
26.2213

■ 46.5243, 65.4618,
34.2410

■ 52.2388, 68.1944,
44.1438

■ 58.9008, 71.3724,
56.0385

■ 66.5512, 75.0147,
70.0259

Harmonies

Analogous

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



44.0262, 57.1291, 3.0159



29.3355, 57.1291, 9.4809



22.5562, 57.1291, 35.3763

Triad

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



29.3355, 57.1291, 9.4809



43.8744, 57.1291, 271.6953



107.1117, 57.1291, 35.7212

Complementary

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



29.3355, 57.1291, 9.4809



34.5425, 16.1578, 76.1642

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.



107.0380, 57.1291, 100.0073



29.3355, 57.1291, 9.4809



66.0582, 57.1291, 272.0540

Square

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



29.3355, 57.1291, 9.4809



29.2507, 57.1291, 195.1297



90.4800, 57.1291, 195.9163



90.6600, 57.1291, 9.5859

Rectangle

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



29.3355, 57.1291, 9.4809



21.8249, 57.1291, 73.2320



90.4800, 57.1291, 195.9163



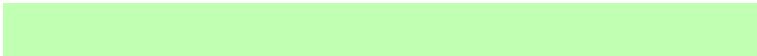
109.1392, 57.1291, 52.3425

Sweetspot

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



29.3368, 57.1315, 9.4822



65.8706, 86.1085, 55.5320



49.7772, 51.1088, 7.2424



13.4150, 18.1039, 10.6904



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.



29.3368, 57.1315, 9.4822



37.0147, 72.1668, 11.9787



29.3733, 57.0261, 15.0931



14.4452, 16.2211, 15.2741



16.6839, 32.3824, 5.3711



1.3059, 2.4306, 0.4003

Inverse Universe

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



34.5425, 16.1578, 76.1642



43.5724, 20.3773, 96.2444



39.0689, 19.3980, 35.4090



14.7109, 14.4687, 18.1617



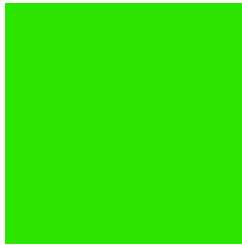
19.6531, 9.1974, 43.1226



1.5220, 0.7156, 3.1899

Previews

White Background



This preview shows how the XYZ color 29.3355, 57.1291, 9.4809 looks on a white background.

Color Contrast Check

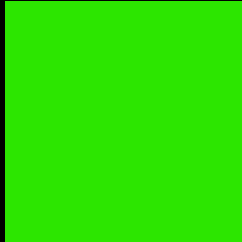
Large Text (above 18pt) WCAG AA × Fail

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 29.3355, 57.1291, 9.4809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

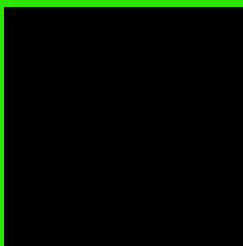
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

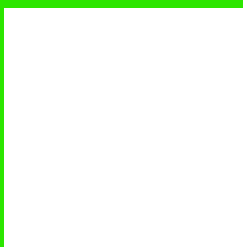
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.3355, 57.1291, 9.4809

Background



This preview shows how black text looks on a background with the XYZ color 29.3355, 57.1291, 9.4809.



This preview shows how white text looks on a background with the XYZ color 29.3355, 57.1291,

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

29.3355, 57.1291, 9.4809

Protanopia

50.3183, 55.9178, 8.1412

Deuteranopia

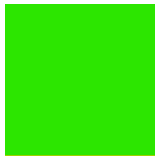
57.0574, 55.7274, 10.7668



Tritanopia

44.1793, 56.8057, 84.2374

Trichromacy



Original Color

29.3355, 57.1291, 9.4809



Protanomaly

36.9512, 53.2613, 8.3329



Deuteranomaly

39.0722, 51.8148, 9.3084



Tritanomaly

34.3393, 55.0868, 36.4267

Monochromacy



Original Color

29.3355, 57.1291, 9.4809



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

24.3712, 35.9639, 16.2469

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3355, 57.1291, 9.4809 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(44, 230, 0)` looks like.

```
.text, #text, p{  
    color:rgb(44, 230, 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(44, 230, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 230, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.3355, 57.1291, 9.4809 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(44, 230, 0) }
```


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

```
.border{ border-color:rgb(44, 230, 0) }
```

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

Here you see how a box with a 4 pixel rgb(44, 230, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 230, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 230, 0);  
box-shadow:4px 4px 4px 4px rgb(44, 230, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.3355, 57.1291, 9.4809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 230, 0) }
```

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

```
.background{ background-color: rgb(44, 230,  
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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