

Converting Colors

XYZ(29.2985, 58.3437, 10.5453)

Have a look what the booklet for
XYZ(29.2985, 58.3437, 10.5453)
contains.

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Color

**XYZ(29.2936, 58.3397,
10.5274)**

Conversions

Conversions Part 1

Format	Color
Hex	00E917
RGB	0, 233, 23
RGB Percent	0%, 91%, 9%
CMY	1.0000, 0.0863, 0.9097
CMYK	1.00, 0.00, 0.90, 0.09
HSL	126°, 100%, 46%
HSV	126°, 100%, 91%
XYZ	29.2936, 58.3397, 10.5274
YIQ	139.3930, -71.4580, -114.7060

Conversions

Conversions Part 2

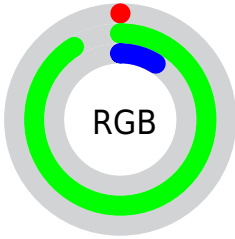
Format	Color
RYB	0, 212, 233
Decimal	59671
CIELab	80.93, -80.05, 75.32
CIELCh	81, 109.916, 136.743
Yxy	58.3397, 0.2984, 0.5943
Android (android.graphics.Color)	4278249751 (0xFF00E917)
YUV	139.3930, -57.3817, -122.2477
Hunter-Lab	76.3804, -65.2070, 45.2944

Details

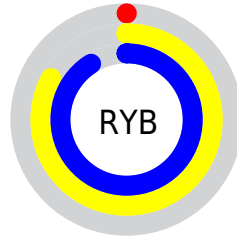
The XYZ color **29.2936, 58.3397, 10.5274** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **45.2372, 21.9770, 62.8234**, and the grayscale version is **24.9290, 26.2272, 28.5615**.

A 20% lighter version of the original color is **44.5904, 75.8389, 22.8779**, and **15.3300, 30.6599, 5.1100** is the 20% darker color. If you saturate the color by 10%, you get **29.2949, 58.3421, 10.5286**, and if you desaturate by 10%, it is **29.9554, 58.6479, 12.1259**.

Distribution



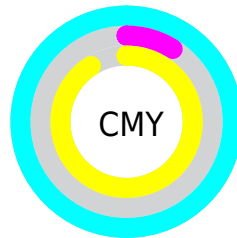
- Red (0%)
- Green (91%)
- Blue (9%)



- Red (0%)
- Yellow (83%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (90%)
- Black (9%)



- Cyan (100%)
- Magenta (9%)
- Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2936, 58.3397, 10.5274 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 29.2936, 58.3397, 10.5274 by changing the saturation by 10% instead.

■ 29.2936, 58.3397,
10.5274

■ 29.2936, 58.3397,
10.5274

290.5670,
418.4505, 205.0156

■ 19.4484, 42.0818,
5.6399

■ 57.9376, 102.4174,
27.4060

■ 12.1007, 29.1654,
2.5621

■ 77.4671, 131.0059,
40.2342

■ 6.8850, 19.2059,
0.8728

■ 100.9554,
164.4735, 56.5464

■ 3.4360, 11.8192,
0.0000

■ 128.7680,
203.2045, 76.7610

■ 1.3883, 6.6207,
0.0000

■ 161.2700,
247.5833, 101.2967

■ 0.2479, 3.2260,
0.0000

■ 198.8270,

■ 0.0000, 1.2508,

297.9944, 130.5720

0.0000

241.8042,
354.8220, 165.0055

■ 0.0000, 0.1027,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.2936, 58.3397,
10.5274

■ 29.2936, 58.3397,
10.5274

■ 29.2949, 58.3421,
10.5286

■ 29.9554, 58.6479,
12.1259

■ 31.2488, 59.2570,
14.7942

■ 33.3393, 60.2508,
18.6796

■ 36.3296, 61.6798,
23.9043

■ 40.3070, 63.5867,
30.5754

■ 45.3483, 66.0090,
38.7894

■ 51.5227, 68.9805,
48.6343

■ 58.8936, 72.5322,
60.1916

■ 67.5197, 76.6927,
73.5371

Harmonies

Analogous

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



43.7735, 58.3397, 3.2219



29.2936, 58.3397, 10.5274



22.8289, 58.3397, 38.8973

Triad

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



29.2936, 58.3397, 10.5274



46.0077, 58.3397, 280.2919



108.8046, 58.3397, 33.8231

Complementary

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



29.2936, 58.3397, 10.5274



45.2372, 21.9770, 62.8234

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.



109.8885, 58.3397, 96.8165



29.2936, 58.3397, 10.5274



69.0380, 58.3397, 275.0148

Square

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



29.2936, 58.3397, 10.5274



30.5415, 58.3397, 205.5137



93.8210, 58.3397, 193.9408



91.1725, 58.3397, 8.9826

Rectangle

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



29.2936, 58.3397, 10.5274



22.3544, 58.3397, 79.4059



93.8210, 58.3397, 193.9408



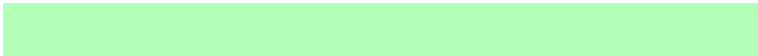
111.2564, 58.3397, 49.9115

Sweetspot

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



29.2950, 58.3421, 10.5287



63.1040, 84.5918, 59.4877



56.7514, 72.5143, 11.0056



12.7842, 17.7582, 11.5863



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.



29.2950, 58.3421, 10.5287



35.9375, 71.5910, 12.8547



33.5784, 60.0555, 33.0850



14.9288, 16.8863, 16.3077



16.6423, 33.1114, 6.0813



1.3273, 2.6082, 0.5854

Inverse Universe

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



45.2372, 21.9770, 62.8234



55.4965, 26.9626, 77.0039



35.7674, 18.1891, 12.9562



15.6469, 15.2866, 18.6921



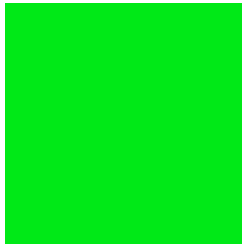
25.6936, 12.4801, 35.7833



2.0362, 0.9874, 2.9079

Previews

White Background



This preview shows how the XYZ color 29.2936, 58.3397, 10.5274 looks on a white background.

Color Contrast Check

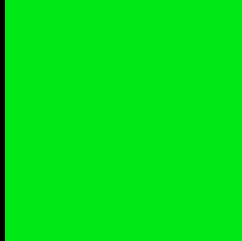
Large Text (above 18pt) WCAG AA × Fail

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 29.2936, 58.3397, 10.5274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

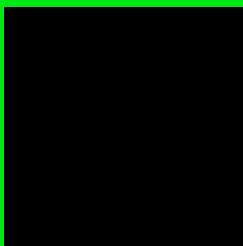
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

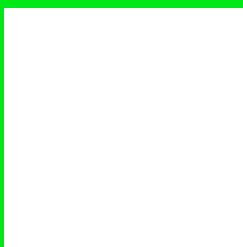
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.2936, 58.3397, 10.5274

Background



This preview shows how black text looks on a background with the XYZ color 29.2936, 58.3397, 10.5274.



This preview shows how white text looks on a background with the XYZ color 29.2936, 58.3397,

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

29.2936, 58.3397, 10.5274

Protanopia

51.7056, 57.3161, 8.3379

Deuteranopia

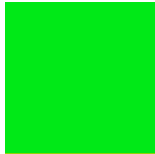
58.3115, 56.9950, 11.5422



Tritanopia

44.7011, 58.1629, 86.7125

Trichromacy



Original Color

29.2936, 58.3397, 10.5274



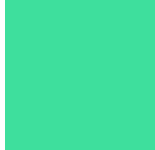
Protanomaly

34.9150, 52.9441, 8.6088



Deuteranomaly

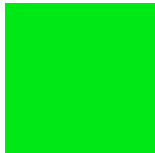
36.5654, 51.2080, 10.2424



Tritanomaly

34.4601, 56.2338, 40.9363

Monochromacy



Original Color

29.2936, 58.3397, 10.5274



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

21.1257, 32.8249, 16.5317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2936, 58.3397, 10.5274 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, 233, 23)` looks like.

```
.text, #text, p{  
    color:rgb(0, 233, 23)  
}
```

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, 233, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 233, 23) }
```

Border

The CSS property to change the border of an element to XYZ 29.2936, 58.3397, 10.5274 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, 233, 23) }
```


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

```
.border{ border-color:rgb(0, 233, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 233, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 233, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 233, 23);  
box-shadow:4px 4px 4px 4px rgb(0, 233, 23)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.2936, 58.3397, 10.5274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 233, 23) }
```

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

```
.background{ background-color: rgb(0, 233,  
23) }
```

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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