

Converting Colors

XYZ(29.9191, 59.3179, 11.5769)

Have a look what the booklet for
XYZ(29.9191, 59.3179, 11.5769)
contains.

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Color

**XYZ(30.0268, 59.5440,
11.5796)**

Conversions

Conversions Part 1

Format	Color
Hex	00EB24
RGB	0, 235, 36
RGB Percent	0%, 92%, 14%
CMY	1.0000, 0.0784, 0.8588
CMYK	1.00, 0.00, 0.85, 0.08
HSL	129°, 100%, 46%
HSV	129°, 100%, 92%
XYZ	30.0268, 59.5440, 11.5796
YIQ	142.0490, -76.1810, -111.7090

Conversions

Conversions Part 2

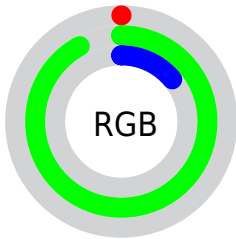
Format	Color
RYB	0, 204, 235
Decimal	60196
CIELab	81.59, -80.11, 73.50
CIELCh	82, 108.722, 137.464
Yxy	59.5440, 0.2969, 0.5887
Android (android.graphics.Color)	4278250276 (0xFF00EB24)
YUV	142.0490, -52.2822, -124.5770
Hunter-Lab	77.1648, -65.5794, 45.1181

Details

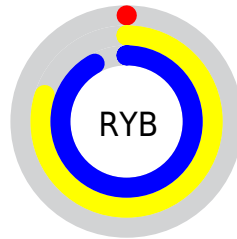
The XYZ color **30.0268, 59.5440, 11.5796** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **44.5712, 21.7865, 55.8889**, and the grayscale version is **25.9550, 27.3067, 29.7370**.

A 20% lighter version of the original color is **45.0484, 76.0370, 24.6142**, and **15.7221, 31.4443, 5.2407** is the 20% darker color. If you saturate the color by 10%, you get **30.0280, 59.5464, 11.5804**, and if you desaturate by 10%, it is **30.7862, 59.8918, 13.6677**.

Distribution



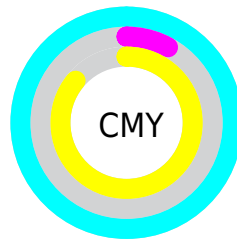
- Red (0%)
- Green (92%)
- Blue (14%)



- Red (0%)
- Yellow (80%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (85%)
- Black (8%)





- Cyan (100%)
- Magenta (8%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.0268, 59.5440, 11.5796 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 30.0268, 59.5440, 11.5796 by changing the saturation by 10% instead.


 30.0268, 59.5440,
11.5796


 30.0268, 59.5440,
11.5796


293.9369,
422.9149, 212.4801


 20.0071, 43.0512,
6.3391


 59.0909, 104.1679,
29.3799

 12.5085, 29.9253,
2.9802

 78.8660, 133.0678,
42.7768


 7.1656, 19.7819,
1.0845


 102.6236,
166.8721, 59.7296

 3.6132, 12.2366,
0.0000

 130.7291,
205.9654, 80.6567

 1.4857, 6.9050,
0.0000

 163.5479,
250.7319, 105.9768

 0.3161, 3.4028,
0.0000

 201.4452,

 0.0000, 1.3454,

301.5560, 136.1083

0.0000

244.7864,
358.8223, 171.4699

■ 0.0000, 0.1760,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 30.0268, 59.5440,
11.5796

■ 30.0268, 59.5440,
11.5796

■ 30.0280, 59.5464,
11.5804

■ 30.7862, 59.8918,
13.6677

■ 32.1801, 60.5427,
16.7929

■ 34.3702, 61.5793,
21.0712

■ 37.4563, 63.0510,
26.6005

■ 41.5235, 65.0000,
33.4684

■ 46.6466, 67.4629,
41.7546

■ 52.8932, 70.4732,
51.5325

■ 60.3253, 74.0613,
62.8704

■ 69.0000, 78.2554,
75.8325

Harmonies

Analogous

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



44.4204, 59.5440, 3.6603



30.0268, 59.5440, 11.5796



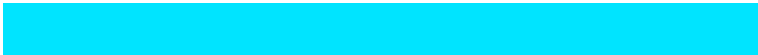
23.6568, 59.5440, 41.2012

Triad

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



30.0268, 59.5440, 11.5796



47.5940, 59.5440, 281.1665



109.6241, 59.5440, 33.9580

Complementary

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



30.0268, 59.5440, 11.5796



44.5712, 21.7865, 55.8889

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.



111.1484, 59.5440, 96.1174



30.0268, 59.5440, 11.5796



70.8121, 59.5440, 273.7947

Square

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



30.0268, 59.5440, 11.5796



31.8094, 59.5440, 208.5284



95.4792, 59.5440, 192.3195



91.7481, 59.5440, 9.3215

Rectangle

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



30.0268, 59.5440, 11.5796



23.2818, 59.5440, 82.5674



95.4792, 59.5440, 192.3195



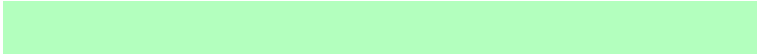
112.2094, 59.5440, 49.8398

Sweetspot

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



30.0282, 59.5465, 11.5809



63.5534, 84.7716, 61.8546



53.4634, 71.6646, 11.0150



12.8869, 17.7993, 12.1269



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.



30.0282, 59.5465, 11.5809



36.1273, 71.6669, 13.8544



35.4391, 61.7108, 40.0746



14.9624, 16.8998, 16.4848



16.7405, 33.1507, 6.5987



1.3433, 2.6146, 0.6695

Inverse Universe

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



44.5712, 21.7865, 55.8889



53.6258, 26.2143, 67.1527



35.7951, 18.2761, 9.6749



15.6099, 15.2718, 18.4968



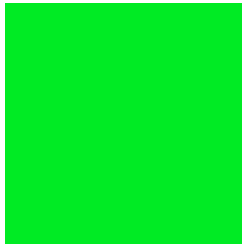
24.8433, 12.1400, 31.3058



1.9776, 0.9640, 2.5995

Previews

White Background



This preview shows how the XYZ color 30.0268, 59.5440, 11.5796 looks on a white background.

Color Contrast Check

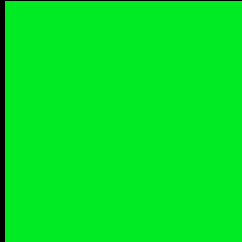
Large Text (above 18pt) WCAG AA × Fail

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 30.0268, 59.5440, 11.5796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

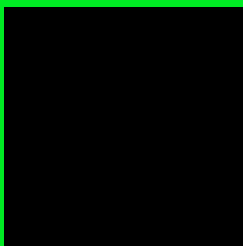
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.0268, 59.5440, 11.5796

Background



This preview shows how black text looks on a background with the XYZ color 30.0268, 59.5440, 11.5796.



This preview shows how white text looks on a background with the XYZ color 30.0268, 59.5440,

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

30.0268, 59.5440, 11.5796

Protanopia

52.4371, 58.0166, 9.4119

Deuteranopia

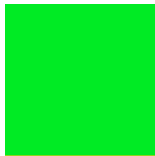
59.6180, 58.2940, 12.5245



Tritanopia

45.5088, 59.3158, 88.4074

Trichromacy



Original Color

30.0268, 59.5440, 11.5796



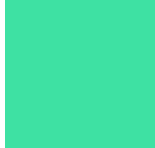
Protanomaly

35.5302, 53.6115, 9.7037



Deuteranomaly

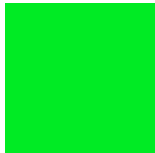
37.4299, 52.3472, 11.3801



Tritanomaly

35.5227, 57.5189, 43.8804

Monochromacy



Original Color

30.0268, 59.5440, 11.5796



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

22.1900, 34.2036, 18.2644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0268, 59.5440, 11.5796 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, 235, 36)` looks like.

```
.text, #text, p{  
    color:rgb(0, 235, 36)  
}
```

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, 235, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 235, 36) }
```

Border

The CSS property to change the border of an element to XYZ 30.0268, 59.5440, 11.5796 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, 235, 36) }
```


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

```
.border{ border-color:rgb(0, 235, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 235, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 235, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 235, 36);  
box-shadow:4px 4px 4px 4px rgb(0, 235, 36)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.0268, 59.5440, 11.5796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 235, 36) }
```

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

```
.background{ background-color: rgb(0, 235,  
36) }
```

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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