

Converting Colors

XYZ(29.6038, 59.1918, 9.9165)

Have a look what the booklet for
XYZ(29.6038, 59.1918, 9.9165)
contains.

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Color

**XYZ(29.7193, 59.4210,
9.9605)**

Conversions

Conversions Part 1

Format	Color
Hex	00EB02
RGB	0, 235, 2
RGB Percent	0%, 92%, 1%
CMY	1.0000, 0.0784, 0.9920
CMYK	1.00, 0.00, 0.99, 0.08
HSL	121°, 100%, 46%
HSV	121°, 100%, 92%
XYZ	29.7193, 59.4210, 9.9605
YIQ	138.1730, -65.2670, -122.2830

Conversions

Conversions Part 2

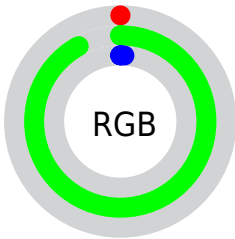
Format	Color
RYB	0, 233, 235
Decimal	60162
CIELab	81.52, -80.99, 78.03
CIELCh	82, 112.459, 136.067
Yxy	59.4210, 0.2999, 0.5996
Android (android.graphics.Color)	4278250242 (0xFF00EB02)
YUV	138.1730, -67.1333, -121.1777
Hunter-Lab	77.0850, -66.0800, 46.2984

Details

The XYZ color **29.7193, 59.4210, 9.9605** 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 **48.9665, 23.5446, 79.0347**, and the grayscale version is **24.4930, 25.7685, 28.0619**.

A 20% lighter version of the original color is **44.5026, 75.8187, 21.7401**, and **15.7221, 31.4443, 5.2407** is the 20% darker color. If you saturate the color by 10%, you get **29.7206, 59.4234, 9.9617**, and if you desaturate by 10%, it is **30.2536, 59.6788, 10.8632**.

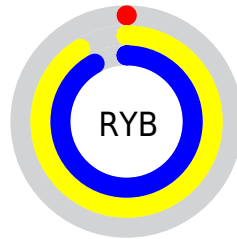
Distribution



Red (0%)

Green (92%)

Blue (1%)



Red (0%)

Yellow (91%)

Blue (92%)

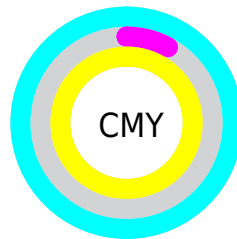


Cyan (100%)

Magenta (0%)

Yellow (99%)

Black (8%)



Cyan (100%)


Magenta (8%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.7193, 59.4210, 9.9605 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 29.7193, 59.4210, 9.9605 by changing the saturation by 10% instead.


 29.7193, 59.4210,
9.9605


 29.7193, 59.4210,
9.9605


292.5272,
422.4603, 200.8645


 19.7726, 42.9521,
5.2675


 58.6077, 103.9893,
26.3278

 12.3372, 29.8475,
2.3436


 78.2801, 132.8575,
38.8393


 7.0476, 19.7229,
0.7555


 101.9251,
166.6276, 54.7939

 3.5385, 12.1938,
0.0000

 129.9081,
205.6840, 74.6103

 1.4445, 6.8758,
0.0000

 162.5945,
250.4110, 98.7071

 0.2876, 3.3845,
0.0000

 200.3496,

 0.0000, 1.3356,

301.1932, 127.5026

0.0000

243.5387,
358.4148, 161.4156

■ 0.0000, 0.1685,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.7193, 59.4210,
9.9605

■ 29.7193, 59.4210,
9.9605

■ 29.7206, 59.4234,
9.9617

■ 30.2536, 59.6788,
10.8632

■ 31.4285, 60.2420,
12.8362

■ 33.4391, 61.2068,
16.1699

■ 36.4018, 62.6292,
21.0498

■ 40.4147, 64.5564,
27.6327

■ 45.5638, 67.0297,
36.0561

■ 51.9260, 70.0863,
46.4435

■ 59.5718, 73.7598,
58.9078

■ 68.5660, 78.0817,
73.5531

Harmonies

Analogous

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



44.8383, 59.4210, 2.9510



29.7193, 59.4210, 9.9605



22.9175, 59.4210, 38.2048

Triad

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



29.7193, 59.4210, 9.9605



46.2514, 59.4210, 290.1923



112.1942, 59.4210, 35.0104

Complementary

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



29.7193, 59.4210, 9.9605



48.9665, 23.5446, 79.0347

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.



112.8863, 59.4210, 101.2619



29.7193, 59.4210, 9.9605



69.9753, 59.4210, 286.8015

Square

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



29.7193, 59.4210, 9.9605



30.5044, 59.4210, 210.4503



95.8152, 59.4210, 203.0321



94.1268, 59.4210, 9.0102

Rectangle

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



29.7193, 59.4210, 9.9605



22.3308, 59.4210, 79.4136



95.8152, 59.4210, 203.0321



114.6082, 59.4210, 51.9252

Sweetspot

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



29.7207, 59.4235, 9.9618



62.3880, 84.3054, 55.7176



63.9718, 77.0819, 11.5067



12.6220, 17.6933, 10.7319



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.



29.7207, 59.4235, 9.9618



35.7721, 71.5248, 11.9836



32.9501, 60.7152, 26.9679



14.8736, 16.8643, 16.0174



16.5426, 33.0715, 5.5565



1.3009, 2.5977, 0.4461

Inverse Universe

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



48.9665, 23.5446, 79.0347



58.9372, 28.3389, 95.1224



37.5029, 18.9592, 18.6682



15.7089, 15.3114, 19.0184



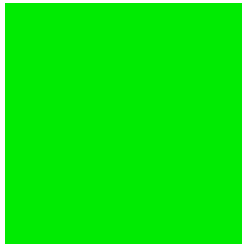
27.2537, 13.1042, 43.9987



2.1419, 1.0297, 3.4646

Previews

White Background



This preview shows how the XYZ color 29.7193, 59.4210, 9.9605 looks on a white background.

Color Contrast Check

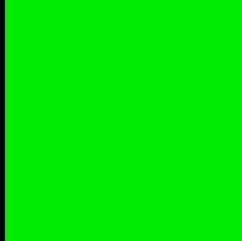
Large Text (above 18pt) WCAG AA × Fail

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 29.7193, 59.4210, 9.9605 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

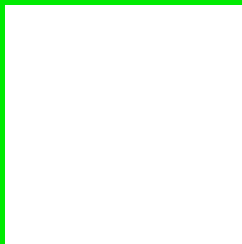
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7193, 59.4210, 9.9605

Background



This preview shows how black text looks on a background with the XYZ color 29.7193, 59.4210, 9.9605.



This preview shows how white text looks on a background with the XYZ color 29.7193, 59.4210,

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

29.7193, 59.4210, 9.9605

Protanopia

52.2507, 57.9420, 8.4300

Deuteranopia

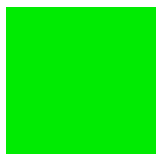
59.1559, 57.7614, 11.1632



Tritanopia

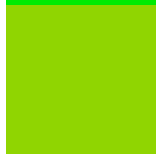
45.3573, 58.8516, 88.3258

Trichromacy



Original Color

29.7193, 59.4210, 9.9605



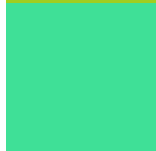
Protanomaly

35.3013, 53.5200, 8.4985



Deuteranomaly

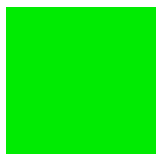
36.8430, 51.7260, 9.4811



Tritanomaly

34.2915, 56.6024, 38.3962

Monochromacy



Original Color

29.7193, 59.4210, 9.9605



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

20.7712, 32.6831, 14.6649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7193, 59.4210, 9.9605 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, 2)` looks like.

```
.text, #text, p{  
    color:rgb(0, 235, 2)  
}
```

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, 2) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 29.7193, 59.4210, 9.9605 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, 2) }
```


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

```
.border{ border-color:rgb(0, 235, 2) }
```

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, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 235, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 235, 2); box-shadow:4px  
4px 4px 4px rgb(0, 235, 2) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7193, 59.4210, 9.9605 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, 2) }
```

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

```
.background{ background-color: rgb(0, 235,  
2) }
```

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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