

Converting Colors

XYZ(29.8839, 59.6798, 10.0368)

Have a look what the booklet for
XYZ(29.8839, 59.6798, 10.0368)
contains.

XYZ(29.7623, 59.4426, 9.9911)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.7623, 59.4426,
9.9911)**

Conversions

Conversions Part 1

Format	Color
Hex	03EB03
RGB	3, 235, 3
RGB Percent	1%, 92%, 1%
CMY	0.9882, 0.0784, 0.9881
CMYK	0.99, 0.00, 0.99, 0.08
HSL	120°, 97%, 47%
HSV	120°, 99%, 92%
XYZ	29.7623, 59.4426, 9.9911
YIQ	139.1840, -63.8000, -121.3360

Conversions

Conversions Part 2

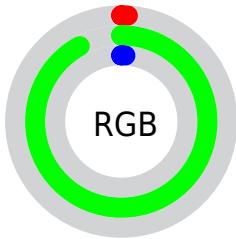
Format	Color
RYB	3, 235, 235
Decimal	256771
CIELab	81.53, -80.88, 77.95
CIELCh	82, 112.328, 136.054
Yxy	59.4426, 0.3000, 0.5992
Android (android.graphics.Color)	4278446851 (0xFF03EB03)
YUV	139.1840, -67.1387, -119.4334
Hunter-Lab	77.0990, -66.0175, 46.2861

Details

The XYZ color **29.7623, 59.4426, 9.9911** 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 **49.2857, 23.7243, 80.5551**, and the grayscale version is **24.8824, 26.1783, 28.5081**.

A 20% lighter version of the original color is **44.6334, 75.8861, 21.7463**, and **15.7221, 31.4443, 5.2407** is the 20% darker color. If you saturate the color by 10%, you get **29.7097, 59.4192, 9.9042**, and if you desaturate by 10%, it is **30.3408, 59.7223, 10.9371**.

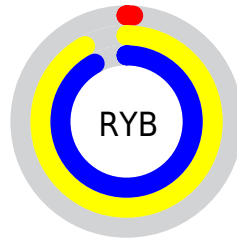
Distribution



Red (1%)

Green (92%)

Blue (1%)



Red (1%)

Yellow (92%)

Blue (92%)

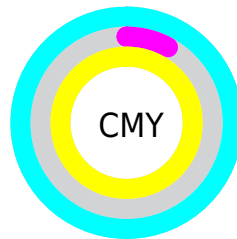


Cyan (99%)

Magenta (0%)

Yellow (99%)

Black (8%)



Cyan (99%)


Magenta (8%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.7623, 59.4426, 9.9911 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 29.7623, 59.4426, 9.9911 by changing the saturation by 10% instead.


 29.7623, 59.4426,
9.9911


 29.7623, 59.4426,
9.9911


292.7247,
422.5402, 201.0910

 19.8054, 42.9695,
5.2875


 58.6753, 104.0207,
26.3863


 12.3611, 29.8612,
2.3553


 78.3621, 132.8944,
38.9150

 7.0641, 19.7333,
0.7619


 102.0229,
166.6705, 54.8892

 3.5489, 12.2013,
0.0000

 130.0231,
205.7334, 74.7274

 1.4502, 6.8809,
0.0000

 162.7280,
250.4674, 98.8482

 0.2916, 3.3877,
0.0000

 200.5030,

 0.0000, 1.3374,

301.2569, 127.6700

0.0000

243.7134,
358.4864, 161.6114

■ 0.0000, 0.1699,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.7623, 59.4426,
9.9911

■ 29.7623, 59.4426,
9.9911


■ 29.7097, 59.4192,
9.9042


■ 30.3408, 59.7223,
10.9371

■ 31.6012, 60.3277,
12.9995


■ 33.7152, 61.3431,
16.4582


■ 36.7978, 62.8239,
21.5010

 40.9464, 64.8166,
28.2871

 46.2463, 67.3624,
36.9560

 52.7742, 70.4981,
47.6333

 60.6004, 74.2575,
60.4338

 69.7898, 78.6716,
75.4635

Harmonies

Analogous

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



44.8772, 59.4426, 2.9715



29.7623, 59.4426, 9.9911



22.9583, 59.4426, 38.2261

Triad

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



29.7623, 59.4426, 9.9911



46.2714, 59.4426, 289.8373



112.1512, 59.4426, 35.0733

Complementary

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



29.7623, 59.4426, 9.9911



49.2857, 23.7243, 80.5551

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.



112.8335, 59.4426, 101.2845



29.7623, 59.4426, 9.9911



69.9703, 59.4426, 286.4958

Square

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



29.7623, 59.4426, 9.9911



30.5372, 59.4426, 210.2164



95.7798, 59.4426, 202.9048



94.1150, 59.4426, 9.0515

Rectangle

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



29.7623, 59.4426, 9.9911



22.3695, 59.4426, 79.3874



95.7798, 59.4426, 202.9048



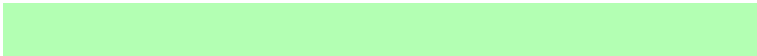
114.5588, 59.4426, 51.9855

Sweetspot

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



29.7637, 59.4451, 9.9924



62.3224, 84.2792, 55.3721



63.9883, 77.0885, 11.5931



12.6072, 17.6874, 10.6540



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.



29.7637, 59.4451, 9.9924



35.7602, 71.5201, 11.9211



33.0769, 60.7704, 27.4396



14.8685, 16.8622, 15.9903



16.5342, 33.0681, 5.5121



1.2984, 2.5967, 0.4330

Inverse Universe

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



49.2857, 23.7243, 80.5551



59.2837, 28.4775, 96.9468



37.6247, 19.0599, 19.1489



15.7148, 15.3138, 19.0493



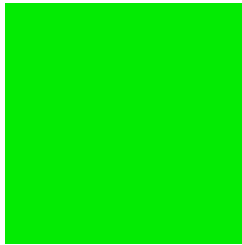
27.4106, 13.1669, 44.8248



2.1524, 1.0339, 3.5200

Previews

White Background



This preview shows how the XYZ color 29.7623, 59.4426, 9.9911 looks on a white background.

Color Contrast Check

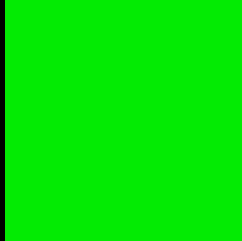
Large Text (above 18pt) WCAG AA × Fail

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 29.7623, 59.4426, 9.9911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

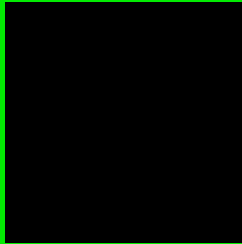
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

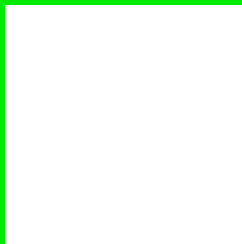
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7623, 59.4426, 9.9911

Background



This preview shows how black text looks on a background with the XYZ color 29.7623, 59.4426, 9.9911.



This preview shows how white text looks on a background with the XYZ color 29.7623, 59.4426,

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

29.7623, 59.4426, 9.9911

Protanopia

52.2507, 57.9420, 8.4300

Deuteranopia

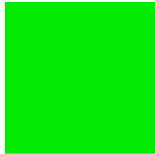
59.1559, 57.7614, 11.1632



Tritanopia

45.3573, 58.8516, 88.3258

Trichromacy



Original Color

29.7623, 59.4426, 9.9911



Protanomaly

35.4768, 53.6104, 8.5067



Deuteranomaly

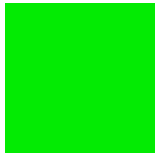
37.0580, 51.8352, 9.5654



Tritanomaly

34.3559, 56.6357, 38.3992

Monochromacy



Original Color

29.7623, 59.4426, 9.9911



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

21.1980, 33.1839, 14.9608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7623, 59.4426, 9.9911 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(3, 235, 3)` looks like.

```
.text, #text, p{  
    color:rgb(3, 235, 3)  
}
```

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(3, 235, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 235, 3) }
```

Border

The CSS property to change the border of an element to XYZ 29.7623, 59.4426, 9.9911 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(3, 235, 3) }
```


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

```
.border{ border-color:rgb(3, 235, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 235, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 235, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 235, 3); box-shadow:4px  
4px 4px 4px rgb(3, 235, 3) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7623, 59.4426, 9.9911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 235, 3) }
```

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

```
.background{ background-color: rgb(3, 235,  
3) }
```

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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