

Converting Colors

XYZ(29.6597, 59.2142, 10.2112)

Have a look what the booklet for
XYZ(29.6597, 59.2142, 10.2112)
contains.

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Color

**XYZ(29.7747, 59.4432,
10.2522)**

Conversions

Conversions Part 1

Format	Color
Hex	00EB0C
RGB	0, 235, 12
RGB Percent	0%, 92%, 5%
CMY	1.0000, 0.0784, 0.9528
CMYK	1.00, 0.00, 0.95, 0.08
HSL	123°, 100%, 46%
HSV	123°, 100%, 92%
XYZ	29.7747, 59.4432, 10.2522
YIQ	139.3130, -68.4770, -119.1730

Conversions

Conversions Part 2

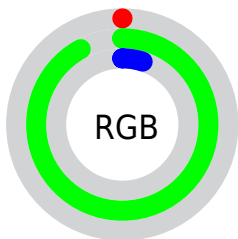
Format	Color
RYB	0, 224, 235
Decimal	60172
CIELab	81.53, -80.83, 77.18
CIELCh	82, 111.756, 136.325
Yxy	59.4432, 0.2993, 0.5976
Android (android.graphics.Color)	4278250252 (0xFF00EB0C)
YUV	139.3130, -62.7653, -122.1775
Hunter-Lab	77.0994, -65.9898, 46.0856

Details

The XYZ color **29.7747, 59.4432, 10.2522** 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 **47.5786, 22.9894, 71.7260**, and the grayscale version is **24.9177, 26.2153, 28.5485**.

A 20% lighter version of the original color is **44.5878, 75.8527, 22.1886**, and **15.7221, 31.4443, 5.2407** is the 20% darker color. If you saturate the color by 10%, you get **29.7760, 59.4456, 10.2535**, and if you desaturate by 10%, it is **30.3679, 59.7246, 11.4656**.

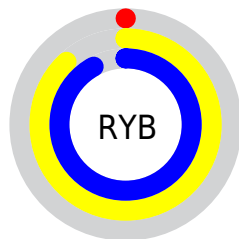
Distribution



Red (0%)

Green (92%)

Blue (5%)



Red (0%)

Yellow (88%)

Blue (92%)

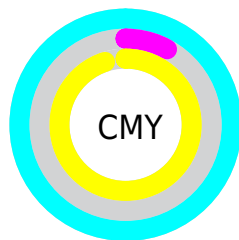


Cyan (100%)

Magenta (0%)

Yellow (95%)

Black (8%)



Cyan (100%)

Magenta (8%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.7747, 59.4432, 10.2522 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 29.7747, 59.4432, 10.2522 by changing the saturation by 10% instead.


 29.7747, 59.4432,
10.2522


 29.7747, 59.4432,
10.2522


292.7816,
422.5424, 203.0125


 19.8149, 42.9700,
5.4587


 58.6948, 104.0215,
26.8840

 12.3680, 29.8616,
2.4554


 78.3857, 132.8955,
39.5594


 7.0688, 19.7335,
0.8164


 102.0511,
166.6717, 55.6991

 3.5519, 12.2015,
0.0000

 130.0562,
205.7348, 75.7218

 1.4519, 6.8811,
0.0000

 162.7665,
250.4690, 100.0459

 0.2927, 3.3878,
0.0000

 200.5472,

 0.0000, 1.3374,

301.2587, 129.0901

0.0000

243.7638,
358.4884, 163.2727

■ 0.0000, 0.1699,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.7747, 59.4432,
10.2522

■ 29.7747, 59.4432,
10.2522

■ 29.7760, 59.4456,
10.2535

■ 30.3679, 59.7246,
11.4656

■ 31.6111, 60.3151,
13.7978

■ 33.6802, 61.3033,
17.4398

■ 36.6857, 62.7428,
22.5454

■ 40.7212, 64.6790,
29.2472

■ 45.8687, 67.1517,
37.6628

■ 52.2022, 70.1967,
47.8988

■ 59.7891, 73.8468,
60.0534

■ 68.6918, 78.1320,
74.2173

Harmonies

Analogous

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



44.7569, 59.4432, 3.0760



29.7747, 59.4432, 10.2522



23.0536, 59.4432, 38.7584

Triad

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



29.7747, 59.4432, 10.2522



46.5021, 59.4432, 288.4958



111.7088, 59.4432, 34.8061

Complementary

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



29.7747, 59.4432, 10.2522



47.5786, 22.9894, 71.7260

Split Complementary

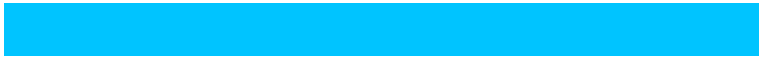
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



112.5604, 59.4432, 100.2750



29.7747, 59.4432, 10.2522



70.1336, 59.4432, 284.3332

Square

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



29.7747, 59.4432, 10.2522



30.7463, 59.4432, 210.1021



95.7544, 59.4432, 200.9869



93.6754, 59.4432, 9.0659

Rectangle

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



29.7747, 59.4432, 10.2522



22.5062, 59.4432, 80.0055



95.7544, 59.4432, 200.9869



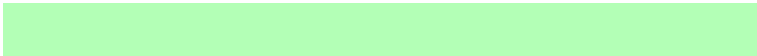
114.1560, 59.4432, 51.5232

Sweetspot

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



29.7761, 59.4457, 10.2535



62.7215, 84.4388, 57.4737



60.2193, 75.1474, 11.3311



12.6973, 17.7235, 11.1288



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.



29.7761, 59.4457, 10.2535



35.8330, 71.5492, 12.3042



33.6888, 61.0108, 30.8579



14.8996, 16.8746, 16.1540



16.5848, 33.0884, 5.7787



1.3133, 2.6026, 0.5118

Inverse Universe

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



47.5786, 22.9894, 71.7260



57.2595, 27.6678, 86.2877



36.8510, 18.6984, 15.2353



15.6796, 15.2997, 18.8639



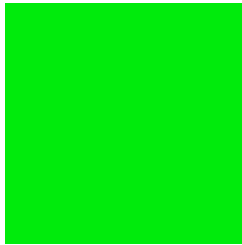
26.4935, 12.8001, 39.9957



2.0906, 1.0092, 3.1946

Previews

White Background



This preview shows how the XYZ color 29.7747, 59.4432, 10.2522 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 29.7747, 59.4432, 10.2522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

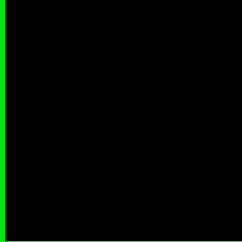
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

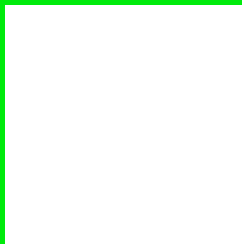
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7747, 59.4432, 10.2522

Background



This preview shows how black text looks on a background with the XYZ color 29.7747, 59.4432, 10.2522.



This preview shows how white text looks on a background with the XYZ color 29.7747, 59.4432,

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

29.7747, 59.4432, 10.2522

Protanopia

52.2507, 57.9420, 8.4300

Deuteranopia

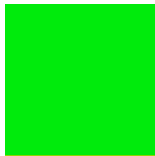
59.1782, 57.7703, 11.2806



Tritanopia

45.3573, 58.8516, 88.3258

Trichromacy



Original Color

29.7747, 59.4432, 10.2522



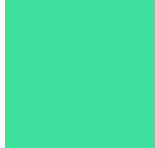
Protanomaly

35.3178, 53.5266, 8.5851



Deuteranomaly

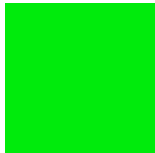
36.9024, 51.7498, 9.7940



Tritanomaly

34.6219, 56.7346, 40.1365

Monochromacy



Original Color

29.7747, 59.4432, 10.2522



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

21.1363, 33.1371, 15.6380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7747, 59.4432, 10.2522 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, 12)` looks like.

```
.text, #text, p{  
    color:rgb(0, 235, 12)  
}
```

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, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 235, 12) }
```

Border

The CSS property to change the border of an element to XYZ 29.7747, 59.4432, 10.2522 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, 12) }
```


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

```
.border{ border-color:rgb(0, 235, 12) }
```

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, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 235, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 235, 12);  
box-shadow:4px 4px 4px 4px rgb(0, 235, 12)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.7747, 59.4432, 10.2522 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, 12) }
```

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

```
.background{ background-color: rgb(0, 235,  
12) }
```

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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