

Converting Colors

XYZ(29.3760, 58.6489, 10.1099)

Have a look what the booklet for
XYZ(29.3760, 58.6489, 10.1099)
contains.

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Color

**XYZ(29.4892, 58.8722,
10.1571)**

Conversions

Conversions Part 1

Format	Color
Hex	00EA0C
RGB	0, 234, 12
RGB Percent	0%, 92%, 5%
CMY	1.0000, 0.0823, 0.9528
CMYK	1.00, 0.00, 0.95, 0.08
HSL	123°, 100%, 46%
HSV	123°, 100%, 92%
XYZ	29.4892, 58.8722, 10.1571
YIQ	138.7260, -68.2020, -118.6500

Conversions

Conversions Part 2

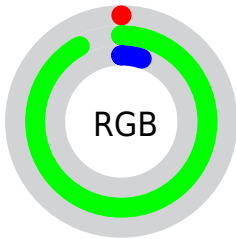
Format	Color
RYB	0, 223, 234
Decimal	59916
CIELab	81.22, -80.57, 76.92
CIELCh	81, 111.389, 136.328
Yxy	58.8722, 0.2993, 0.5976
Android (android.graphics.Color)	4278249996 (0xFF00EA0C)
YUV	138.7260, -62.4759, -121.6627
Hunter-Lab	76.7282, -65.6709, 45.8611

Details

The XYZ color **29.4892, 58.8722, 10.1571** 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 **47.1145, 22.7657, 71.0006**, and the grayscale version is **24.6891, 25.9749, 28.2866**.

A 20% lighter version of the original color is **44.5878, 75.8527, 22.1886**, and **15.5253, 31.0507, 5.1751** is the 20% darker color. If you saturate the color by 10%, you get **29.4906, 58.8746, 10.1584**, and if you desaturate by 10%, it is **30.0786, 59.1518, 11.3628**.

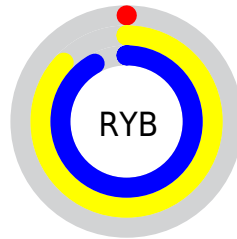
Distribution



Red (0%)

Green (92%)

Blue (5%)



Red (0%)

Yellow (87%)

Blue (92%)

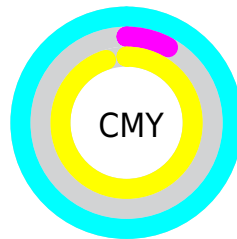


Cyan (100%)

Magenta (0%)

Yellow (95%)

Black (8%)



Cyan (100%)


Magenta (8%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.4892, 58.8722, 10.1571 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 29.4892, 58.8722, 10.1571 by changing the saturation by 10% instead.


 29.4892, 58.8722,
10.1571


 29.4892, 58.8722,
10.1571


291.4689,
420.4281, 202.3151


 19.5973, 42.5102,
5.3963


 58.2456, 103.1919,
26.7030

 12.2092, 29.5010,
2.4188


 77.8409, 131.9184,
39.3252


 6.9596, 19.4602,
0.7967


 101.4014,
165.5353, 55.4048

 3.4829, 12.0033,
0.0000

 129.2924,
204.4269, 75.3606

 1.4140, 6.7459,
0.0000

 161.8793,
248.9775, 99.6109

 0.2662, 3.3037,
0.0000

 199.5274,

 0.0000, 1.2923,

299.5717, 128.5744

0.0000

242.6022,
356.5938, 162.6696

■ 0.0000, 0.1352,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.4892, 58.8722,
10.1571

■ 29.4892, 58.8722,
10.1571

■ 29.4906, 58.8746,
10.1584

■ 30.0786, 59.1518,
11.3628

■ 31.3114, 59.7374,
13.6763

■ 33.3620, 60.7167,
17.2865

■ 36.3396, 62.1428,
22.3452

■ 40.3368, 64.0606,
28.9836

■ 45.4348, 66.5095,
37.3181

■ 51.7066, 69.5250,
47.4539

■ 59.2192, 73.1393,
59.4881

■ 68.0342, 77.3823,
73.5106

Harmonies

Analogous

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



44.3259, 58.8722, 3.0479



29.4892, 58.8722, 10.1571



22.8336, 58.8722, 38.3924

Triad

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



29.4892, 58.8722, 10.1571



46.0582, 58.8722, 285.7037



110.6296, 58.8722, 34.4692

Complementary

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



29.4892, 58.8722, 10.1571



47.1145, 22.7657, 71.0006

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.



111.4749, 58.8722, 99.2999



29.4892, 58.8722, 10.1571



69.4615, 58.8722, 281.5721

Square

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



29.4892, 58.8722, 10.1571



30.4536, 58.8722, 208.0790



94.8335, 58.8722, 199.0317



92.7699, 58.8722, 8.9794

Rectangle

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



29.4892, 58.8722, 10.1571



22.2919, 58.8722, 79.2435



94.8335, 58.8722, 199.0317



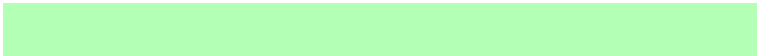
113.0537, 58.8722, 51.0233

Sweetspot

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



29.4906, 58.8746, 10.1584



62.7233, 84.4395, 57.4833



59.6414, 74.4257, 11.2222



12.6977, 17.7236, 11.1310



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.



29.4906, 58.8746, 10.1584



35.8333, 71.5493, 12.3063



33.3667, 60.4251, 30.5700



14.8997, 16.8747, 16.1547



16.5850, 33.0885, 5.7799



1.3134, 2.6027, 0.5122

Inverse Universe

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



47.1145, 22.7657, 71.0006



57.2507, 27.6643, 86.2411



36.4984, 18.5193, 15.0971



15.6794, 15.2996, 18.8631



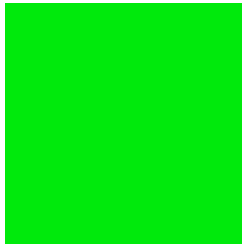
26.4895, 12.7985, 39.9746



2.0904, 1.0091, 3.1932

Previews

White Background



This preview shows how the XYZ color 29.4892, 58.8722, 10.1571 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 29.4892, 58.8722, 10.1571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

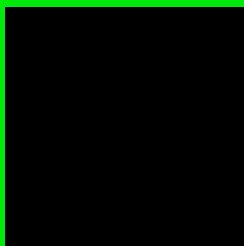
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.4892, 58.8722, 10.1571

Background



This preview shows how black text looks on a background with the XYZ color 29.4892, 58.8722, 10.1571.



This preview shows how white text looks on a background with the XYZ color 29.4892, 58.8722,

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

29.4892, 58.8722, 10.1571

Protanopia

51.7056, 57.3161, 8.3379

Deuteranopia

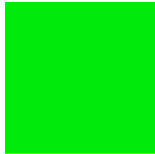
58.8170, 57.5841, 11.2637



Tritanopia

45.1038, 58.7376, 87.5575

Trichromacy



Original Color

29.4892, 58.8722, 10.1571



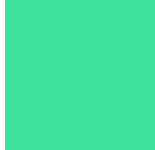
Protanomaly

34.8931, 52.9354, 8.4934



Deuteranomaly

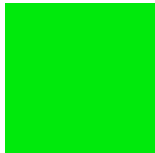
36.9024, 51.7498, 9.7940



Tritanomaly

34.4750, 56.6685, 39.6930

Monochromacy



Original Color

29.4892, 58.8722, 10.1571



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 29.4892, 58.8722, 10.1571 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, 234, 12)` looks like.

```
.text, #text, p{  
    color:rgb(0, 234, 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, 234, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 234, 12) }
```

Border

The CSS property to change the border of an element to XYZ 29.4892, 58.8722, 10.1571 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, 234, 12) }
```


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

```
.border{ border-color:rgb(0, 234, 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, 234, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 234, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 234, 12);  
box-shadow:4px 4px 4px 4px rgb(0, 234, 12)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.4892, 58.8722, 10.1571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 234, 12) }
```

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

```
.background{ background-color: rgb(0, 234,  
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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