

Converting Colors

XYZ(29.2177, 58.3180, 9.8400)

Have a look what the booklet for
XYZ(29.2177, 58.3180, 9.8400)
contains.

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Color

**XYZ(29.2109, 58.3124,
9.8307)**

Conversions

Conversions Part 1

Format	Color
Hex	04E904
RGB	4, 233, 4
RGB Percent	2%, 91%, 2%
CMY	0.9843, 0.0863, 0.9842
CMYK	0.98, 0.00, 0.98, 0.09
HSL	120°, 97%, 46%
HSV	120°, 98%, 91%
XYZ	29.2109, 58.3124, 9.8307
YIQ	138.4230, -62.9750, -119.7670

Conversions

Conversions Part 2

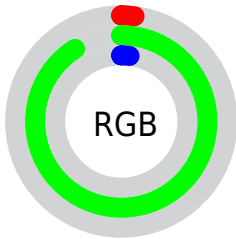
Format	Color
R_{YB}	4, 233, 233
Decimal	321796
CIE Lab	80.91, -80.30, 77.37
CIE LCh	81, 111.509, 136.067
Yxy	58.3124, 0.3000, 0.5990
Android (android.graphics.Color)	4278511876 (0xFF04E904)
YUV	138.4230, -66.2705, -117.8890
Hunter-Lab	76.3626, -65.3530, 45.8210

Details

The XYZ color **29.2109, 58.3124, 9.8307** 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 **48.3532, 23.2929, 79.0183**, and the grayscale version is **24.5850, 25.8653, 28.1674**.

A 20% lighter version of the original color is **44.5026, 75.8187, 21.7401**, and **15.3300, 30.6599, 5.1100** is the 20% darker color. If you saturate the color by 10%, you get **29.1403, 58.2802, 9.7143**, and if you desaturate by 10%, it is **29.8017, 58.5980, 10.7968**.

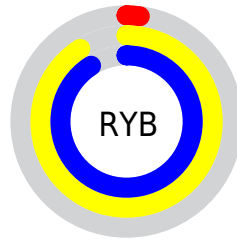
Distribution



Red (2%)

Green (91%)

Blue (2%)



Red (2%)

Yellow (91%)

Blue (91%)

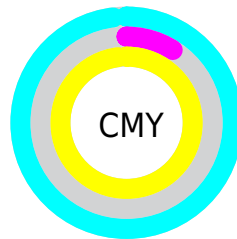


Cyan (98%)

Magenta (0%)

Yellow (98%)

Black (9%)



Cyan (98%)


Magenta (9%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.2109, 58.3124, 9.8307 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 29.2109, 58.3124, 9.8307 by changing the saturation by 10% instead.


 29.2109, 58.3124,
9.8307


 29.2109, 58.3124,
9.8307


290.1850,
418.3490, 199.9002


 19.3855, 42.0599,
5.1827


 57.8072, 102.3776,
26.0794

 12.0548, 29.1482,
2.2943


 77.3089, 130.9591,
38.5172


 6.8535, 19.1929,
0.7280


 100.7667,
164.4191, 54.3887

 3.4162, 11.8098,
0.0000

 128.5460,
203.1418, 74.1123

 1.3775, 6.6143,
0.0000

 161.0121,
247.5118, 98.1068

 0.2401, 3.2221,
0.0000

 198.5304,

 0.0000, 1.2487,

297.9134, 126.7906

0.0000

241.4663,
354.7310, 160.5822

■ 0.0000, 0.1010,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.2109, 58.3124,
9.8307

■ 29.2109, 58.3124,
9.8307

■ 29.1403, 58.2802,
9.7143

■ 29.8017, 58.5980,
10.7968

■ 31.0747, 59.2094,
12.8797

■ 33.1900, 60.2255,
16.3404

■ 36.2594, 61.6999,
21.3615

■ 40.3774, 63.6780,
28.0975

■ 45.6273, 66.1997,
36.6846

■ 52.0838, 69.3011,
47.2451

■ 59.8155, 73.0151,
59.8911

■ 68.8857, 77.3720,
74.7260

Harmonies

Analogous

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



44.0251, 58.3124, 2.9305



29.2109, 58.3124, 9.8307



22.5421, 58.3124, 37.5395

Triad

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



29.2109, 58.3124, 9.8307



45.4091, 58.3124, 284.0377



109.9523, 58.3124, 34.4089

Complementary

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



29.2109, 58.3124, 9.8307



48.3532, 23.2929, 79.0183

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.



110.6293, 58.3124, 99.2818



29.2109, 58.3124, 9.8307



68.6384, 58.3124, 280.7234

Square

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



29.2109, 58.3124, 9.8307



29.9804, 58.3124, 206.0802



93.9272, 58.3124, 198.8272



92.2752, 58.3124, 8.8965

Rectangle

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



29.2109, 58.3124, 9.8307



21.9667, 58.3124, 77.8978



93.9272, 58.3124, 198.8272



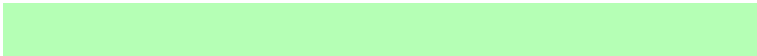
112.3138, 58.3124, 50.9822

Sweetspot

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



29.2123, 58.3148, 9.8320



63.1744, 84.6885, 56.7652



62.7676, 75.6133, 11.4015



12.7671, 17.7642, 10.9155



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.



29.2123, 58.3148, 9.8320



35.7602, 71.5201, 11.9210



32.4901, 59.6260, 27.0931



14.8685, 16.8622, 15.9902



16.5342, 33.0681, 5.5120



1.2984, 2.5967, 0.4330

Inverse Universe

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



48.3532, 23.2929, 79.0183



59.2845, 28.4778, 96.9510



36.9490, 18.7312, 18.9646



15.7148, 15.3138, 19.0494



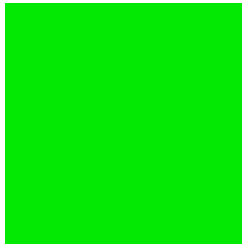
27.4109, 13.1671, 44.8267



2.1524, 1.0339, 3.5201

Previews

White Background



This preview shows how the XYZ color 29.2109, 58.3124, 9.8307 looks on a white background.

Color Contrast Check

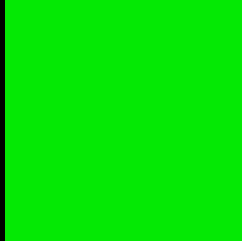
Large Text (above 18pt) WCAG AA × Fail

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 29.2109, 58.3124, 9.8307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

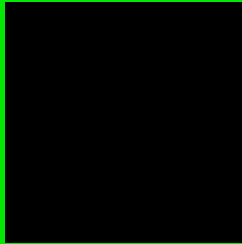
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

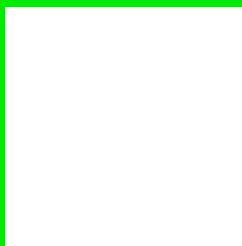
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.2109, 58.3124, 9.8307

Background



This preview shows how black text looks on a background with the XYZ color 29.2109, 58.3124, 9.8307.



This preview shows how white text looks on a background with the XYZ color 29.2109, 58.3124,

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

29.2109, 58.3124, 9.8307

Protanopia

51.1639, 56.6941, 8.2464

Deuteranopia

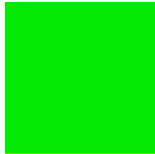
58.2195, 56.9582, 11.0575



Tritanopia

44.7011, 58.1629, 86.7125

Trichromacy



Original Color

29.2109, 58.3124, 9.8307



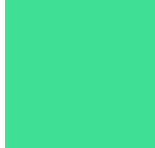
Protanomaly

34.8013, 52.5200, 8.3319



Deuteranomaly

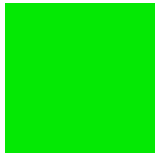
36.8180, 51.3552, 9.4854



Tritanomaly

34.0070, 56.0673, 37.8839

Monochromacy



Original Color

29.2109, 58.3124, 9.8307



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

20.8666, 32.7323, 14.6694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2109, 58.3124, 9.8307 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(4, 233, 4)` looks like.

```
.text, #text, p{  
    color:rgb(4, 233, 4)  
}
```

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(4, 233, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 233, 4) }
```

Border

The CSS property to change the border of an element to XYZ 29.2109, 58.3124, 9.8307 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(4, 233, 4) }
```


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

```
.border{ border-color:rgb(4, 233, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 233, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 233, 4); -webkit-box-shadow:4px  
4px 4px 4px rgb(4, 233, 4); box-shadow:4px  
4px 4px 4px rgb(4, 233, 4) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2109, 58.3124, 9.8307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 233, 4) }
```

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

```
.background{ background-color: rgb(4, 233,  
4) }
```

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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