

Converting Colors

XYZ(31.4273, 59.5596, 10.3221)

Have a look what the booklet for
XYZ(31.4273, 59.5596, 10.3221)
contains.

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Color

**XYZ(31.3468, 59.4052,
10.3044)**

Conversions

Conversions Part 1

Format	Color
Hex	40E910
RGB	64, 233, 16
RGB Percent	25%, 91%, 6%
CMY	0.7490, 0.0863, 0.9372
CMYK	0.73, 0.00, 0.93, 0.09
HSL	107°, 87%, 49%
HSV	107°, 93%, 91%
XYZ	31.3468, 59.4052, 10.3044
YIQ	157.7310, -31.0670, -103.3150

Conversions

Conversions Part 2

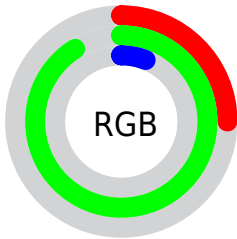
Format	Color
RYB	16, 233, 185
Decimal	4253968
CIELab	81.51, -74.87, 76.99
CIELCh	82, 107.385, 134.200
Yxy	59.4052, 0.3102, 0.5878
Android (android.graphics.Color)	4282444048 (0xFF40E910)
YUV	157.7310, -69.8734, -82.2021
Hunter-Lab	77.0748, -62.2838, 46.0256

Details

The XYZ color **31.3468, 59.4052, 10.3044** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **34.9083, 16.5723, 78.4529**, and the grayscale version is **32.6966, 34.3994, 37.4609**.

A 20% lighter version of the original color is **48.0083, 77.6111, 22.5754**, and **15.5253, 31.0507, 5.1751** is the 20% darker color. If you saturate the color by 10%, you get **30.5317, 58.9976, 9.7785**, and if you desaturate by 10%, it is **33.0043, 60.2294, 11.8336**.

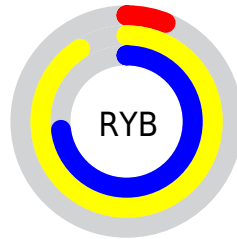
Distribution



Red (25%)

Green (91%)

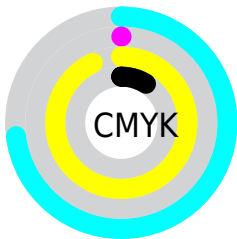
Blue (6%)



Red (6%)

Yellow (91%)

Blue (73%)

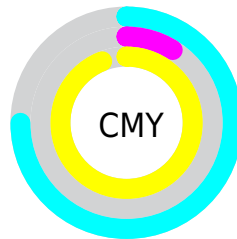


Cyan (73%)

Magenta (0%)

Yellow (93%)

Black (9%)



Cyan (75%)


Magenta (9%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3468, 59.4052, 10.3044 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 31.3468, 59.4052, 10.3044 by changing the saturation by 10% instead.


 31.3468, 59.4052,
10.3044


 31.3468, 59.4052,
10.3044


299.9313,
422.4019, 203.3941


 21.0162, 42.9394,
5.4930


 61.1578, 103.9664,
26.9832

 13.2484, 29.8376,
2.4756


 81.3689, 132.8305,
39.6877


 7.6780, 19.7153,
0.8272


 105.6042,
166.5962, 55.8603

 3.9397, 12.1883,
0.0000

 134.2291,
205.6478, 75.9196

 1.6680, 6.8720,
0.0000

 167.6089,
250.3698, 100.2841

 0.4361, 3.3822,
0.0000

 206.1089,

 0.0000, 1.3344,

301.1466, 129.3723

0.0000

250.0946,
358.3625, 163.6028

■ 0.0000, 0.1676,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 31.3468, 59.4052,
10.3044

■ 31.3468, 59.4052,
10.3044

■ 30.5317, 58.9976,
9.7785

■ 33.0043, 60.2294,
11.8336

■ 35.3153, 61.3612,
14.6303

■ 38.3486, 62.8337,
18.8951

■ 42.1626, 64.6733,
24.7925

■ 46.8092, 66.9037,
32.4653

■ 52.3355, 69.5464,
42.0405

■ 58.7852, 72.6214,
53.6337

■ 66.1989, 76.1474,
67.3511

■ 74.6147, 80.1418,
83.2914

Harmonies

Analogous

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



46.4981, 59.4052, 3.5717



31.3468, 59.4052, 10.3044



24.2195, 59.4052, 36.4646

Triad

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



31.3468, 59.4052, 10.3044



45.4804, 59.4052, 272.2492



109.6660, 59.4052, 38.7932

Complementary

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



31.3468, 59.4052, 10.3044



34.9083, 16.5723, 78.4529

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.



109.1800, 59.4052, 104.6371



31.3468, 59.4052, 10.3044



67.7583, 59.4052, 274.5903

Square

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



31.3468, 59.4052, 10.3044



30.7733, 59.4052, 195.2771



92.3268, 59.4052, 200.4323



93.5176, 59.4052, 11.0402

Rectangle

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



31.3468, 59.4052, 10.3044



23.3658, 59.4052, 74.1911



92.3268, 59.4052, 200.4323



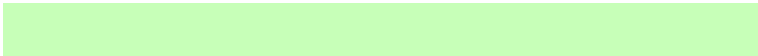
111.5543, 59.4052, 56.0225

Sweetspot

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



31.3482, 59.4077, 10.3057



68.0260, 87.1591, 58.3659



50.5043, 50.9716, 7.6678



13.8492, 18.3164, 11.2238



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.



31.3482, 59.4077, 10.3057



37.4124, 72.3719, 11.9973



30.5863, 58.8834, 16.2118



15.1798, 17.0227, 16.0044



17.4104, 33.5199, 5.5524



1.4477, 2.6737, 0.4398

Inverse Universe

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



34.9083, 16.5723, 78.4529



41.5015, 19.3097, 96.1475



41.5432, 20.7964, 42.4554



15.3701, 15.1360, 19.0337



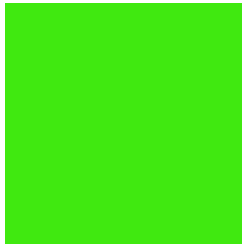
19.3331, 9.0025, 44.4617



1.5983, 0.7483, 3.4951

Previews

White Background



This preview shows how the XYZ color 31.3468, 59.4052, 10.3044 looks on a white background.

Color Contrast Check

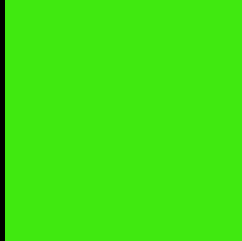
Large Text (above 18pt) WCAG AA × Fail

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 31.3468, 59.4052, 10.3044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

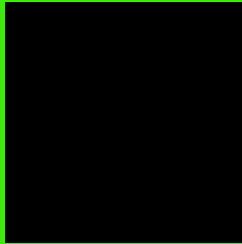
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.3468, 59.4052, 10.3044

Background



This preview shows how black text looks on a background with the XYZ color 31.3468, 59.4052, 10.3044.



This preview shows how white text looks on a background with the XYZ color 31.3468, 59.4052,

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

31.3468, 59.4052, 10.3044

Protanopia

52.2507, 57.9420, 8.4300

Deuteranopia

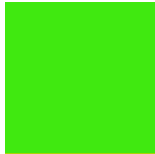
59.1782, 57.7703, 11.2806



Tritanopia

46.6036, 59.1436, 86.8015

Trichromacy



Original Color

31.3468, 59.4052, 10.3044



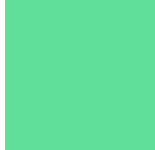
Protanomaly

39.7635, 55.8171, 8.8503



Deuteranomaly

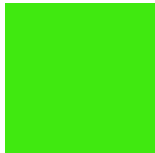
42.2047, 54.4794, 10.2106



Tritanomaly

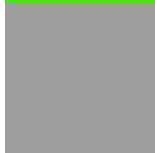
37.1279, 57.6287, 40.1770

Monochromacy



Original Color

31.3468, 59.4052, 10.3044



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

28.2627, 40.0236, 19.8714

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3468, 59.4052, 10.3044 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(64, 233, 16)` looks like.

```
.text, #text, p{  
    color:rgb(64, 233, 16)  
}
```

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(64, 233, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 233, 16) }
```

Border

The CSS property to change the border of an element to XYZ 31.3468, 59.4052, 10.3044 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(64, 233, 16) }
```


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

```
.border{ border-color:rgb(64, 233, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 233, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 233, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 233, 16);  
box-shadow:4px 4px 4px 4px rgb(64, 233,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3468, 59.4052, 10.3044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 233, 16) }
```

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

```
.background{ background-color: rgb(64, 233,  
16) }
```

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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