

Converting Colors

XYZ(33.3671, 60.0593, 9.8340)

Have a look what the booklet for
XYZ(33.3671, 60.0593, 9.8340)
contains.

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Color

**XYZ(33.3708, 60.0404,
9.8301)**

Conversions

Conversions Part 1

Format	Color
Hex	5DE800
RGB	93, 232, 0
RGB Percent	36%, 91%, 0%
CMY	0.6353, 0.0902, 0.9999
CMYK	0.60, 0.00, 1.00, 0.09
HSL	96°, 100%, 45%
HSV	96°, 100%, 91%
XYZ	33.3708, 60.0404, 9.8301
YIQ	163.9910, -8.3720, -101.6200

Conversions

Conversions Part 2

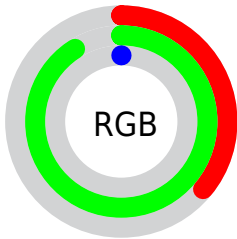
Format	Color
RYB	0, 232, 139
Decimal	6154240
CIELab	81.86, -69.08, 79.00
CIELCh	82, 104.944, 131.166
Yxy	60.0404, 0.3232, 0.5816
Android (android.graphics.Color)	4284344320 (0xFF5DE800)
YUV	163.9910, -80.8476, -62.2591
Hunter-Lab	77.4857, -58.7254, 46.7183

Details

The XYZ color **33.3708, 60.0404, 9.8301** 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 **25.2199, 11.3192, 77.2029**, and the grayscale version is **35.6611, 37.5183, 40.8574**.

A 20% lighter version of the original color is **51.6220, 79.4937, 21.8556**, and **15.3300, 30.6599, 5.1100** is the 20% darker color. If you saturate the color by 10%, you get **33.3702, 60.0419, 9.8305**, and if you desaturate by 10%, it is **35.0665, 60.8983, 10.7292**.

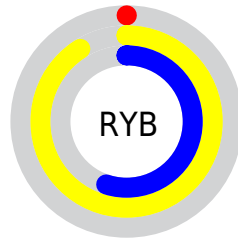
Distribution



Red (36%)

Green (91%)

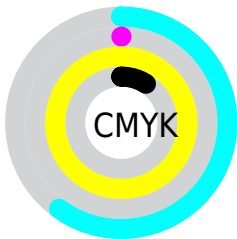
Blue (0%)



Red (0%)

Yellow (91%)

Blue (55%)

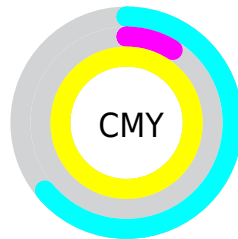


Cyan (60%)

Magenta (0%)

Yellow (100%)

Black (9%)



Cyan (64%)


Magenta (9%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3708, 60.0404, 9.8301 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 33.3708, 60.0404, 9.8301 by changing the saturation by 10% instead.


 33.3708, 60.0404,
9.8301


 33.3708, 60.0404,
9.8301


308.9528,
424.7467, 199.8957


 22.5712, 43.4512,
5.1823


 64.3048, 104.8883,
26.0782

 14.3962, 30.2393,
2.2940


 85.1700, 133.9157,
38.5157

 8.4803, 20.0203,
0.7279


 110.1211,
167.8581, 54.3868

 4.4581, 12.4098,
0.0000

 139.5235,
207.0997, 74.1100

 1.9644, 7.0234,
0.0000

 173.7425,
252.0249, 98.1040

 0.6139, 3.4767,
0.0000

 213.1435,

 0.0000, 1.3854,

303.0183, 126.7873

0.0000

258.0918,
360.4640, 160.5783

■ 0.0000, 0.2059,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.3708, 60.0404,
9.8301

■ 33.3708, 60.0404,
9.8301

■ 33.3702, 60.0419,
9.8305

■ 35.0665, 60.8983,
10.7292

■ 37.2173, 61.9672,
12.6289

■ 39.8963, 63.2799,
15.8451

■ 43.1494, 64.8559,
20.5613

■ 47.0165, 66.7125,
26.9318

■ 51.5333, 68.8650,
35.0917

■ 56.7323, 71.3277,
45.1624

■ 62.6436, 74.1136,
57.2544

■ 69.2955, 77.2350,
71.4699

Harmonies

Analogous

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



49.2096, 60.0404, 3.8716



33.3708, 60.0404, 9.8301



25.5013, 60.0404, 33.3712

Triad

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



33.3708, 60.0404, 9.8301



44.3908, 60.0404, 262.1281



109.8833, 60.0404, 44.4831

Complementary

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



33.3708, 60.0404, 9.8301



25.2199, 11.3192, 77.2029

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.



107.6170, 60.0404, 113.1916



33.3708, 60.0404, 9.8301



65.7183, 60.0404, 272.9308

Square

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



33.3708, 60.0404, 9.8301



30.6324, 60.0404, 183.0284



89.9452, 60.0404, 206.9151



95.5119, 60.0404, 13.4665

Rectangle

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



33.3708, 60.0404, 9.8301



24.1963, 60.0404, 67.8866



89.9452, 60.0404, 206.9151



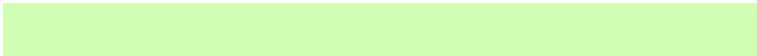
111.1221, 60.0404, 62.9238

Sweetspot

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



33.3722, 60.0429, 9.8314



70.1857, 88.3330, 55.7340



41.9930, 34.5820, 4.4626



14.4169, 18.6204, 10.7373



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.



33.3722, 60.0429, 9.8314



41.2619, 74.3563, 12.1775



28.9789, 57.7642, 10.2547



14.7333, 16.3696, 15.2876



18.6582, 33.4002, 5.4635



1.4813, 2.5210, 0.4085

Inverse Universe

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



25.2199, 11.3192, 77.2029



31.1497, 13.9731, 95.6631



45.2493, 21.9447, 64.5845



14.4070, 14.3121, 18.1475



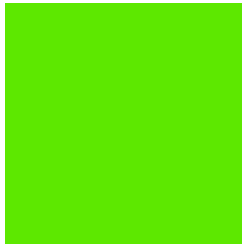
14.1450, 6.3579, 42.8648



1.1495, 0.5235, 3.1724

Previews

White Background



This preview shows how the XYZ color 33.3708, 60.0404, 9.8301 looks on a white background.

Color Contrast Check

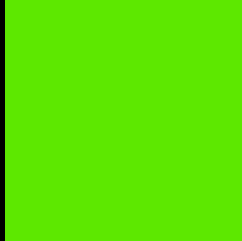
Large Text (above 18pt) WCAG AA × Fail

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 33.3708, 60.0404, 9.8301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

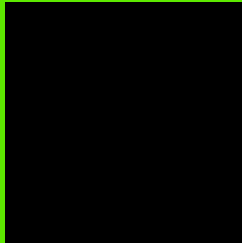
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3708, 60.0404, 9.8301

Background



This preview shows how black text looks on a background with the XYZ color 33.3708, 60.0404, 9.8301.



This preview shows how white text looks on a background with the XYZ color 33.3708, 60.0404,

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

33.3708, 60.0404, 9.8301

Protanopia

53.1154, 58.7350, 8.5375

Deuteranopia

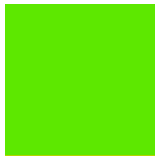
60.0582, 58.5542, 11.0424



Tritanopia

48.6239, 59.8202, 86.0745

Trichromacy



Original Color

33.3708, 60.0404, 9.8301



Protanomaly

42.3847, 57.1722, 8.8014



Deuteranomaly

44.8243, 55.8436, 9.7127



Tritanomaly

38.8027, 58.1626, 37.1984

Monochromacy



Original Color

33.3708, 60.0404, 9.8301



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

31.1775, 42.7979, 19.7143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3708, 60.0404, 9.8301 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(93, 232, 0)` looks like.

```
.text, #text, p{  
    color:rgb(93, 232, 0)  
}
```

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(93, 232, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 232, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.3708, 60.0404, 9.8301 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(93, 232, 0) }
```


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

```
.border{ border-color:rgb(93, 232, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 232, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 232, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 232, 0);  
box-shadow:4px 4px 4px 4px rgb(93, 232, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.3708, 60.0404, 9.8301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 232, 0) }
```

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

```
.background{ background-color: rgb(93, 232,  
0) }
```

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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