

Converting Colors

XYZ(30.9188, 54.6568, 8.9202)

Have a look what the booklet for
XYZ(30.9188, 54.6568, 8.9202)
contains.

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Color

**XYZ(30.9451, 54.7293,
8.9328)**

Conversions

Conversions Part 1

Format	Color
Hex	60DE00
RGB	96, 222, 0
RGB Percent	38%, 87%, 0%
CMY	0.6235, 0.1294, 0.9999
CMYK	0.57, 0.00, 1.00, 0.13
HSL	94°, 100%, 44%
HSV	94°, 100%, 87%
XYZ	30.9451, 54.7293, 8.9328
YIQ	159.0180, -3.8340, -95.7540

Conversions

Conversions Part 2

Format	Color
RYB	0, 222, 126
Decimal	6348288
CIELab	78.89, -65.02, 76.69
CIELCh	79, 100.542, 130.291
Yxy	54.7293, 0.3271, 0.5785
Android (android.graphics.Color)	4284538368 (0xFF60DE00)
YUV	159.0180, -78.3959, -55.2668
Hunter-Lab	73.9793, -54.7982, 44.6264

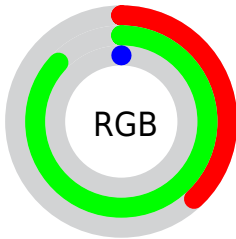
Details

The XYZ color **30.9451, 54.7293, 8.9328** is a dark color, and the websafe version is hex **33CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **21.7946, 9.7128, 69.8363**, and the grayscale version is **33.3143, 35.0493, 38.1687**.

A 20% lighter version of the original color is **51.7378, 79.5628, 21.4344**, and **13.6362, 27.2724, 4.5454** is the 20% darker color. If you saturate the color by 10%, you get **30.9446, 54.7307, 8.9331**, and if you desaturate by 10%, it is **32.5272, 55.5296, 9.7746**.

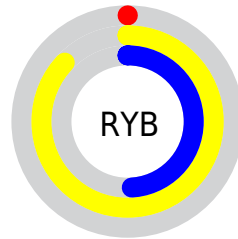
Distribution



Red (38%)

Green (87%)

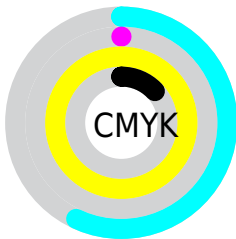
Blue (0%)



Red (0%)

Yellow (87%)

Blue (49%)

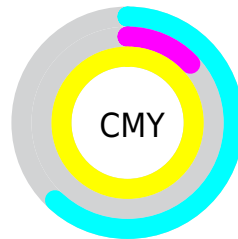


Cyan (57%)

Magenta (0%)

Yellow (100%)

Black (13%)



Cyan (62%)


Magenta (13%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9451, 54.7293, 8.9328 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 30.9451, 54.7293, 8.9328 by changing the saturation by 10% instead.


 30.9451, 54.7293,
8.9328


 30.9451, 54.7293,
8.9328


298.1167,
404.8850, 193.0754


 20.7087, 39.1850,
4.6012


 60.5301, 97.1442,
24.3435


 13.0225, 26.9037,
1.9606


 80.6093, 124.7837,
36.2596

 7.5211, 17.5009,
0.5309

 104.7002,
157.2236, 51.5410

 3.8393, 10.5923,
0.0000

 133.1681,
194.8485, 70.6061

 1.6116, 5.7934,
0.0000

 166.3783,
238.0427, 93.8736

 0.4000, 2.7199,
0.0000

 204.6962,

 0.0000, 0.9873,

287.1906, 121.7619

0.0000

248.4873,
342.6765, 154.6897

■ 0.0000, 0.0000,
0.0000

■ 30.9451, 54.7293,
8.9328

■ 30.9451, 54.7293,
8.9328

■ 30.9446, 54.7307,
8.9331

■ 32.5272, 55.5296,
9.7746

■ 34.4988, 56.5096,
11.5145

■ 36.9250, 57.6980,
14.4427

■ 39.8451, 59.1116,
18.7233

■ 43.2933, 60.7651,
24.4945

■ 47.3001, 62.6714,
31.8775

■ 51.8934, 64.8426,
40.9810

■ 57.0990, 67.2898,
51.9042

■ 62.9409, 70.0234,
64.7388

Harmonies

Analogous

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



45.4619, 54.7293, 3.6811



30.9451, 54.7293, 8.9328



23.6161, 54.7293, 29.6865

Triad

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



30.9451, 54.7293, 8.9328



40.1235, 54.7293, 234.4095



99.6311, 54.7293, 42.0397

Complementary

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



30.9451, 54.7293, 8.9328



21.7946, 9.7128, 69.8363

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.



97.1376, 54.7293, 104.8554



30.9451, 54.7293, 8.9328



59.1772, 54.7293, 246.2389

Square

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



30.9451, 54.7293, 8.9328



27.9001, 54.7293, 162.6173



80.9796, 54.7293, 188.8234



87.1114, 54.7293, 13.0380

Rectangle

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



30.9451, 54.7293, 8.9328



22.3135, 54.7293, 60.1497



80.9796, 54.7293, 188.8234



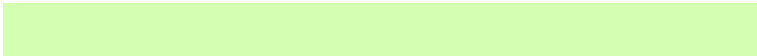
100.5850, 54.7293, 59.0355

Sweetspot

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



30.9464, 54.7316, 8.9340



70.8752, 88.6884, 55.7662



37.5628, 30.4046, 3.8897



14.5787, 18.7038, 10.7449



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.



30.9464, 54.7316, 8.9340



42.2215, 74.8510, 12.2224



26.2077, 52.2790, 9.1550



14.0880, 15.6255, 14.5803



18.5018, 32.5705, 5.3116



1.3836, 2.3098, 0.3729

Inverse Universe

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



21.7946, 9.7128, 69.8363



29.6831, 13.2171, 95.5944



41.4135, 20.0459, 60.8500



13.6930, 13.6253, 17.2959



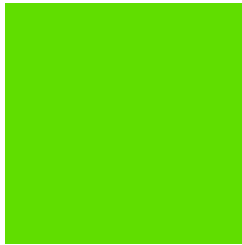
13.0735, 5.8350, 41.4856



1.0082, 0.4571, 2.8803

Previews

White Background



This preview shows how the XYZ color 30.9451, 54.7293, 8.9328 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 30.9451, 54.7293, 8.9328 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 30.9451, 54.7293, 8.9328

Background



This preview shows how black text looks on a background with the XYZ color 30.9451, 54.7293, 8.9328.



This preview shows how white text looks on a background with the XYZ color 30.9451, 54.7293,

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

30.9451, 54.7293, 8.9328

Protanopia

48.5052, 53.6436, 7.7978

Deuteranopia

54.9419, 53.7113, 10.0563



Tritanopia

44.5965, 54.2162, 77.9263

Trichromacy



Original Color

30.9451, 54.7293, 8.9328



Protanomaly

39.0484, 52.1844, 8.0145



Deuteranomaly

41.6511, 51.4240, 8.8930



Tritanomaly

35.8972, 52.8915, 33.9083

Monochromacy



Original Color

30.9451, 54.7293, 8.9328



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

29.2303, 39.6297, 18.4206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9451, 54.7293, 8.9328 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(96, 222, 0)` looks like.

```
.text, #text, p{  
    color:rgb(96, 222, 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(96, 222, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 222, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.9451, 54.7293, 8.9328 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(96, 222, 0) }
```


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

```
.border{ border-color:rgb(96, 222, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 222, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 222, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 222, 0);  
box-shadow:4px 4px 4px 4px rgb(96, 222, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.9451, 54.7293, 8.9328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 222, 0) }
```

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

```
.background{ background-color: rgb(96, 222,  
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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