

Converting Colors

XYZ(32.9192, 51.7906, 8.2616)

Have a look what the booklet for
XYZ(32.9192, 51.7906, 8.2616)
contains.

XYZ(33.0592, 51.9925, 8.2932)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.0592, 51.9925,
8.2932)**

Conversions

Conversions Part 1

Format	Color
Hex	84D400
RGB	132, 212, 0
RGB Percent	52%, 83%, 0%
CMY	0.4824, 0.1686, 0.9999
CMYK	0.38, 0.00, 1.00, 0.17
HSL	83°, 100%, 42%
HSV	83°, 100%, 83%
XYZ	33.0592, 51.9925, 8.2932
YIQ	163.9120, 20.3720, -82.8920

Conversions

Conversions Part 2

Format	Color
RYB	0, 212, 80
Decimal	8705024
CIELab	77.28, -50.42, 76.04
CIELCh	77, 91.241, 123.547
Yxy	51.9925, 0.3542, 0.5570
Android (android.graphics.Color)	4286895104 (0xFF84D400)
YUV	163.9120, -80.8086, -27.9868
Hunter-Lab	72.1058, -44.3462, 43.6549

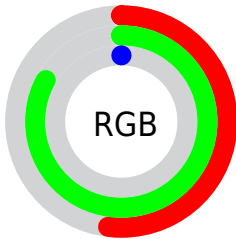
Details

The XYZ color **33.0592, 51.9925, 8.2932** is a dark color, and the websafe version is hex **66CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **15.1956, 6.4612, 62.7366**, and the grayscale version is **35.6131, 37.4678, 40.8024**.

A 20% lighter version of the original color is **58.8461, 83.2365, 21.3522**, and **14.7295, 25.4917, 4.1441** is the 20% darker color. If you saturate the color by 10%, you get **33.0586, 51.9939, 8.2935**, and if you desaturate by 10%, it is **34.4975, 52.7198, 9.0783**.

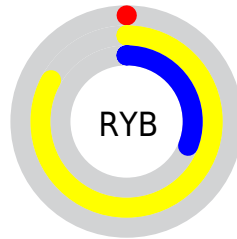
Distribution



Red (52%)

Green (83%)

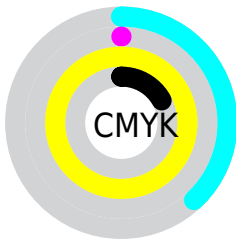
Blue (0%)



Red (0%)

Yellow (83%)

Blue (31%)

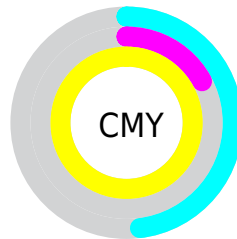


Cyan (38%)

Magenta (0%)

Yellow (100%)

Black (17%)



Cyan (48%)


Magenta (17%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.0592, 51.9925, 8.2932 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 33.0592, 51.9925, 8.2932 by changing the saturation by 10% instead.


 33.0592, 51.9925,
8.2932


 33.0592, 51.9925,
8.2932


307.5767,
394.4077, 188.0336


 22.3313, 36.9991,
4.1927


 63.8220, 93.1202,
23.0868

 14.2185, 25.2068,
1.7316


 84.5876, 120.0232,
34.6170


 8.3555, 16.2312,
0.3823


 109.4297,
151.6650, 49.4609

 4.3770, 9.6879,
0.0000

 138.7138,
188.4298, 68.0369

 1.9175, 5.1925,
0.0000

 172.8052,
230.7021, 90.7637

 0.5870, 2.3607,
0.0000

 212.0692,

 0.0000, 0.8055,

278.8662, 118.0597

0.0000

256.8713,
333.3066, 150.3435

■ 0.0000, 0.0000,
0.0000

■ 33.0592, 51.9925,
8.2932

■ 33.0592, 51.9925,
8.2932

■ 33.0586, 51.9939,
8.2935

■ 34.4975, 52.7198,
9.0783

■ 36.1834, 53.5556,
10.6611

■ 38.1706, 54.5235,
13.3076

■ 40.4885, 55.6355,
17.1636

■ 43.1625, 56.9019,
22.3521

■ 46.2148, 58.3319,
28.9809

■ 49.6657, 59.9337,
37.1468

■ 53.5335, 61.7149,
46.9382

■ 57.8356, 63.6827,
58.4369

Harmonies

Analogous

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



47.3650, 51.9925, 4.6196



33.0592, 51.9925, 8.2932



25.0014, 51.9925, 23.6228

Triad

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



33.0592, 51.9925, 8.2932



35.8942, 51.9925, 194.1131



91.1768, 51.9925, 50.8567

Complementary

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



33.0592, 51.9925, 8.2932



15.1956, 6.4612, 62.7366

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.



86.0731, 51.9925, 111.2946



33.0592, 51.9925, 8.2932



51.5281, 51.9925, 217.5150

Square

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



33.0592, 51.9925, 8.2932



26.3464, 51.9925, 128.2969



70.4388, 51.9925, 180.8713



83.0950, 51.9925, 18.3136

Rectangle

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



33.0592, 51.9925, 8.2932



22.9585, 51.9925, 46.4578



70.4388, 51.9925, 180.8713



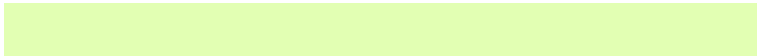
90.9533, 51.9925, 68.1452

Sweetspot

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



33.0604, 51.9948, 8.2943



75.2501, 90.9438, 55.9710



29.8597, 19.4115, 2.1738



15.6143, 19.2377, 10.7933



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.



33.0604, 51.9948, 8.2943



50.0099, 78.8661, 12.5869



24.0317, 47.3403, 7.8718



12.9976, 14.2750, 13.2310



20.5222, 32.1559, 5.1251



1.3284, 1.9862, 0.3134

Inverse Universe

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



15.1956, 6.4612, 62.7366



22.8995, 9.7200, 95.2770



31.5897, 14.9127, 63.5038



12.1811, 12.2348, 15.6571



9.4823, 4.0408, 38.7333



0.6624, 0.2904, 2.3404

Previews

White Background



This preview shows how the XYZ color 33.0592, 51.9925, 8.2932 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 33.0592, 51.9925, 8.2932 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 33.0592, 51.9925, 8.2932

Background



This preview shows how black text looks on a background with the XYZ color 33.0592, 51.9925, 8.2932.

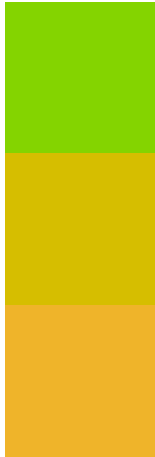


This preview shows how white text looks on a background with the XYZ color 33.0592, 51.9925,

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

33.0592, 51.9925, 8.2932

Protanopia

46.1450, 51.1231, 7.4356

Deuteranopia

52.3358, 51.1604, 9.3070



Tritanopia

45.4941, 51.7052, 70.5331

Trichromacy



Original Color

33.0592, 51.9925, 8.2932

Protanomaly

39.9612, 50.5785, 7.6564

Deuteranomaly

42.8669, 50.0578, 8.4397

Tritanomaly

37.5971, 50.2217, 31.0047

Monochromacy



Original Color

33.0592, 51.9925, 8.2932

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

31.9715, 40.7226, 19.2719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0592, 51.9925, 8.2932 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(132, 212, 0)` looks like.

```
.text, #text, p{  
    color:rgb(132, 212, 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(132, 212, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 212, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.0592, 51.9925, 8.2932 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(132, 212, 0) }
```


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

```
.border{ border-color:rgb(132, 212, 0) }
```

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

Here you see how a box with a 4 pixel rgb(132, 212, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 212, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 212, 0);  
box-shadow:4px 4px 4px 4px rgb(132, 212,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0592, 51.9925, 8.2932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 212, 0) }
```

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

```
.background{ background-color: rgb(132,  
212, 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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