

Converting Colors

XYZ(33.8080, 50.3900, 7.9444)

Have a look what the booklet for
XYZ(33.8080, 50.3900, 7.9444)
contains.

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Color

**XYZ(33.9899, 50.6454,
7.9841)**

Conversions

Conversions Part 1

Format	Color
Hex	91CF00
RGB	145, 207, 0
RGB Percent	57%, 81%, 0%
CMY	0.4314, 0.1882, 0.9999
CMYK	0.30, 0.00, 1.00, 0.19
HSL	78°, 100%, 41%
HSV	78°, 100%, 81%
XYZ	33.9899, 50.6454, 7.9841
YIQ	164.8640, 29.4950, -77.5210

Conversions

Conversions Part 2

Format	Color
RYB	0, 207, 62
Decimal	9555712
CIELab	76.46, -43.65, 75.71
CIElCh	76, 87.390, 119.965
Yxy	50.6454, 0.3670, 0.5468
Android (android.graphics.Color)	4287745792 (0xFF91CF00)
YUV	164.8640, -81.2780, -17.4207
Hunter-Lab	71.1656, -39.2851, 43.1641

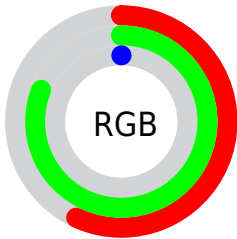
Details

The XYZ color **33.9899, 50.6454, 7.9841** is a dark color, and the websafe version is hex **99CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **13.2518, 5.5309, 59.4036**, and the grayscale version is **36.0691, 37.9475, 41.3248**.

A 20% lighter version of the original color is **62.2621, 84.9975, 21.5121**, and **15.1587, 24.4827, 3.9267** is the 20% darker color. If you saturate the color by 10%, you get **33.9896, 50.6469, 7.9844**, and if you desaturate by 10%, it is **35.2466, 51.2796, 8.7365**.

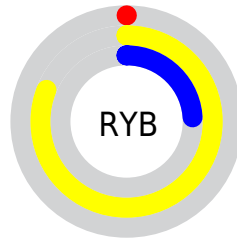
Distribution



Red (57%)

Green (81%)

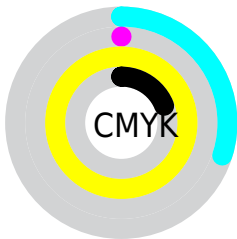
Blue (0%)



Red (0%)

Yellow (81%)

Blue (24%)

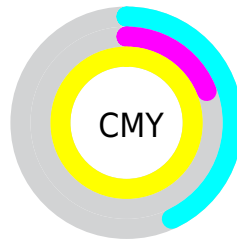


Cyan (30%)

Magenta (0%)

Yellow (100%)

Black (19%)



Cyan (43%)


Magenta (19%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9899, 50.6454, 7.9841 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 33.9899, 50.6454, 7.9841 by changing the saturation by 10% instead.


 33.9899, 50.6454,
7.9841


 33.9899, 50.6454,
7.9841


311.6737,
389.1845, 185.5372


 23.0487, 35.9265,
3.9971


 65.2624, 91.1304,
22.4729


 14.7504, 24.3774,
1.6238


 86.3243, 117.6653,
33.8119


 8.7295, 15.6138,
0.3077


 111.4906,
148.9076, 48.4386

 4.6209, 9.2513,
0.0000

 141.1265,
185.2417, 66.7716

 2.0590, 4.9055,
0.0000

 175.5974,
227.0521, 89.2294

 0.6668, 2.1919,
0.0000

 215.2687,

 0.0000, 0.7156,

274.7231, 116.2306

0.0000

260.5057,
328.6391, 148.1937

■ 0.0000, 0.0000,
0.0000

■ 33.9899, 50.6454,
7.9841

■ 33.9899, 50.6454,
7.9841

■ 33.9896, 50.6469,
7.9844

■ 35.2466, 51.2796,
8.7365

■ 36.7049, 51.9996,
10.2394

■ 38.4150, 52.8275,
12.7477

■ 40.4040, 53.7740,
16.3986

■ 42.6945, 54.8486,
21.3079

■ 45.3068, 56.0592,
27.5771

■ 48.2591, 57.4133,
35.2976

■ 51.5678, 58.9176,
44.5526

■ 55.2485, 60.5784,
55.4191

Harmonies

Analogous

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



48.1560, 50.6454, 5.0864



33.9899, 50.6454, 7.9841



25.5983, 50.6454, 21.0687

Triad

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



33.9899, 50.6454, 7.9841



33.9637, 50.6454, 176.8055



87.2527, 50.6454, 55.1990

Complementary

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



33.9899, 50.6454, 7.9841



13.2518, 5.5309, 59.4036

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.



81.0832, 50.6454, 114.1278



33.9899, 50.6454, 7.9841



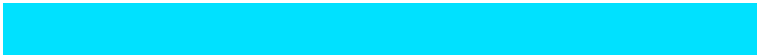
48.1178, 50.6454, 204.6263

Square

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



33.9899, 50.6454, 7.9841



25.5857, 50.6454, 113.9740



65.7483, 50.6454, 176.9245



81.1102, 50.6454, 21.1186

Rectangle

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



33.9899, 50.6454, 7.9841



23.2041, 50.6454, 40.8041



65.7483, 50.6454, 176.9245



86.5346, 50.6454, 72.5030

Sweetspot

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



33.9911, 50.6476, 7.9852



77.1518, 91.9241, 56.0600



27.2806, 16.3602, 1.7207



16.0688, 19.4720, 10.8146



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.



33.9911, 50.6476, 7.9852



54.2602, 81.0572, 12.7858



23.3906, 45.1829, 7.4891



12.4443, 13.6125, 12.5836



21.5133, 31.9595, 5.0349



1.2809, 1.8272, 0.2852

Inverse Universe

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



13.2518, 5.5309, 59.4036



21.0616, 8.7726, 95.1909



26.1960, 12.2038, 60.0093



11.4919, 11.5869, 14.8745



8.4320, 3.5271, 37.4289



0.5515, 0.2385, 2.0965

Previews

White Background



This preview shows how the XYZ color 33.9899, 50.6454, 7.9841 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 33.9899, 50.6454, 7.9841 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 33.9899, 50.6454, 7.9841

Background



This preview shows how black text looks on a background with the XYZ color 33.9899, 50.6454, 7.9841.



This preview shows how white text looks on a background with the XYZ color 33.9899, 50.6454,

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

33.9899, 50.6454, 7.9841

Protanopia

45.1346, 49.9635, 7.2651

Deuteranopia

51.2117, 49.9918, 8.8697



Tritanopia

45.7519, 50.2527, 66.9629

Trichromacy



Original Color

33.9899, 50.6454, 7.9841

Protanomaly

40.2541, 49.7216, 7.4756

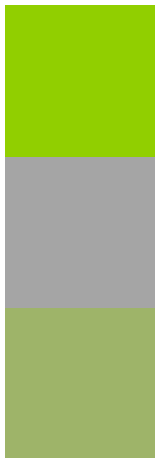
Deuteranomaly

43.2749, 49.3027, 8.1553

Tritanomaly

38.2317, 48.8675, 29.2472

Monochromacy



Original Color

33.9899, 50.6454, 7.9841

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

32.9716, 40.9315, 19.5274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9899, 50.6454, 7.9841 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(145, 207, 0)` looks like.

```
.text, #text, p{  
    color:rgb(145, 207, 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(145, 207, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 207, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.9899, 50.6454, 7.9841 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(145, 207, 0) }
```


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

```
.border{ border-color:rgb(145, 207, 0) }
```

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

Here you see how a box with a 4 pixel rgb(145, 207, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 207, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 207, 0);  
box-shadow:4px 4px 4px 4px rgb(145, 207,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9899, 50.6454, 7.9841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 207, 0) }
```

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

```
.background{ background-color: rgb(145,  
207, 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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