

Converting Colors

XYZ(33.9371, 45.9070, 8.1876)

Have a look what the booklet for
XYZ(33.9371, 45.9070, 8.1876)
contains.

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Color

**XYZ(33.7768, 45.6974,
8.1389)**

Conversions

Conversions Part 1

Format	Color
Hex	A0C11C
RGB	160, 193, 28
RGB Percent	63%, 76%, 11%
CMY	0.3726, 0.2431, 0.8902
CMYK	0.17, 0.00, 0.85, 0.24
HSL	72°, 75%, 43%
HSV	72°, 85%, 76%
XYZ	33.7768, 45.6974, 8.1389
YIQ	164.3230, 33.2970, -58.3110

Conversions

Conversions Part 2

Format	Color
R_{YB}	28, 193, 61
Decimal	10535196
CIE _{Lab}	73.35, -30.97, 69.80
CIE _{LCh}	73, 76.361, 113.924
Yxy	45.6974, 0.3855, 0.5216
Android (android.graphics.Color)	4288725276 (0xFFA0C11C)
YUV	164.3230, -67.2072, -3.7913
Hunter-Lab	67.5999, -29.1108, 40.1815

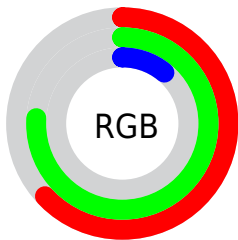
Details

The XYZ color **33.7768, 45.6974, 8.1389** is a dark color, and the websafe version is hex **99CC33**.

The color can be described as dark washed chartreuse. A complement of this color would be **11.9671, 5.6741, 50.9194**, and the grayscale version is **35.7416, 37.6029, 40.9496**.

A 20% lighter version of the original color is **64.7209, 83.4295, 22.8176**, and **14.9415, 21.4083, 3.3447** is the 20% darker color. If you saturate the color by 10%, you get **32.8559, 45.2429, 7.2512**, and if you desaturate by 10%, it is **34.8714, 46.2275, 9.8072**.

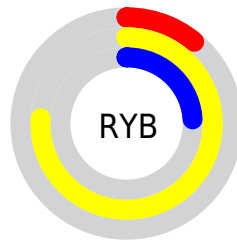
Distribution



Red (63%)

Green (76%)

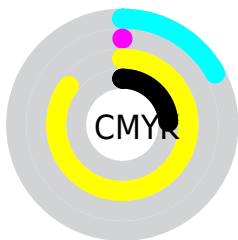
Blue (11%)



Red (11%)

Yellow (76%)

Blue (24%)

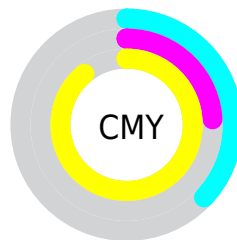


Cyan (17%)

Magenta (0%)

Yellow (85%)

Black (24%)



Cyan (37%)


Magenta (24%)

Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7768, 45.6974, 8.1389 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 33.7768, 45.6974, 8.1389 by changing the saturation by 10% instead.


 33.7768, 45.6974,
8.1389


 33.7768, 45.6974,
8.1389


310.7391,
369.5908, 186.7925


 22.8843, 32.0071,
4.0949


 64.9330, 83.7659,
22.7809

 14.6283, 21.3669,
1.6776


 85.9274, 108.9130,
34.2161


 8.6435, 13.3925,
0.3453


 111.0198,
138.6477, 48.9520

 4.5647, 7.6994,
0.0000

 140.5755,
173.3546, 67.4073

 2.0263, 3.9032,
0.0000

 174.9600,
213.4179, 90.0004

 0.6487, 1.6196,
0.0000

 214.5385,

 0.0000, 0.3707,

259.2221, 117.1500

0.0000

259.6764,
311.1516, 149.2745

■ 0.0000, 0.0000,
0.0000

■ 33.7768, 45.6974,
8.1389

■ 33.7768, 45.6974,
8.1389

■ 32.8559, 45.2429,
7.2512

■ 34.8714, 46.2275,
9.8072

■ 32.4730, 45.0510,
6.9842

■ 36.1617, 46.8369,
12.3838

■ 37.6688, 47.5359,
15.9755

■ 39.4105, 48.3316,
20.6737

■ 41.4023, 49.2302,
26.5595

■ 43.6584, 50.2374,
33.7066

■ 46.1918, 51.3585,
42.1824

■ 49.0147, 52.5982,
52.0499

■ 52.1383, 53.9613,
63.3678

Harmonies

Analogous

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



46.2265, 45.6974, 6.4881



33.7768, 45.6974, 8.1389



25.7201, 45.6974, 17.6665

Triad

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



33.7768, 45.6974, 8.1389



29.9275, 45.6974, 136.7185



74.5229, 45.6974, 58.0068

Complementary

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



33.7768, 45.6974, 8.1389



11.9671, 5.6741, 50.9194

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.



67.8406, 45.6974, 107.2829



33.7768, 45.6974, 8.1389



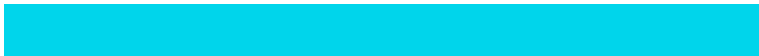
40.7563, 45.6974, 165.5578

Square

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



33.7768, 45.6974, 8.1389



23.8395, 45.6974, 86.1979



54.7760, 45.6974, 152.6658



71.5890, 45.6974, 25.3786

Rectangle

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



33.7768, 45.6974, 8.1389



23.0379, 45.6974, 31.9511



54.7760, 45.6974, 152.6658



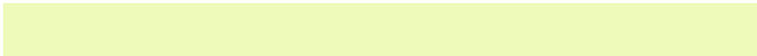
73.2898, 45.6974, 73.1872

Sweetspot

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



33.7778, 45.6995, 8.1399



77.7962, 89.7965, 59.0902



23.8725, 14.7605, 2.6901



16.3789, 19.1258, 11.6781



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.7778, 45.6995, 8.1399



57.9500, 80.5761, 12.4985



22.3825, 39.8250, 7.6066



10.7097, 11.6533, 10.7467



21.6633, 29.9967, 4.6482



0.9874, 1.3226, 0.2032

Inverse Universe

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



11.9671, 5.6741, 50.9194



18.5545, 7.5737, 90.8442



21.4573, 10.5664, 51.3635



9.7123, 9.8428, 12.6728



7.0021, 2.8701, 33.7416



0.3596, 0.1534, 1.4605

Previews

White Background



This preview shows how the XYZ color 33.7768, 45.6974, 8.1389 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 33.7768, 45.6974, 8.1389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

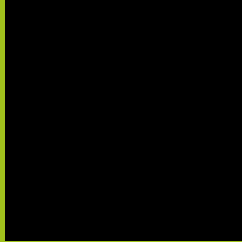
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.7768, 45.6974, 8.1389

Background



This preview shows how black text looks on a background with the XYZ color 33.7768, 45.6974, 8.1389.



This preview shows how white text looks on a background with the XYZ color 33.7768, 45.6974,

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

33.7768, 45.6974, 8.1389

Protanopia

41.1147, 45.4050, 7.4612

Deuteranopia

46.1748, 45.0926, 8.5556



Tritanopia

43.7381, 45.6515, 57.5453

Trichromacy



Original Color

33.7768, 45.6974, 8.1389

Protanomaly

38.0179, 45.3329, 7.6661

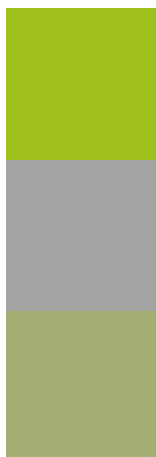
Deuteranomaly

40.6274, 44.5373, 8.2890

Tritanomaly

38.2296, 44.9652, 29.2185

Monochromacy



Original Color

33.7768, 45.6974, 8.1389

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

33.5287, 39.6843, 22.1123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7768, 45.6974, 8.1389 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(160, 193, 28)` looks like.

```
.text, #text, p{  
    color:rgb(160, 193, 28)  
}
```

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(160, 193, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 193, 28) }
```

Border

The CSS property to change the border of an element to XYZ 33.7768, 45.6974, 8.1389 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(160, 193, 28) }
```


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

```
.border{ border-color:rgb(160, 193, 28) }
```

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

Here you see how a box with a 4 pixel rgb(160, 193, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 193, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 193, 28);  
box-shadow:4px 4px 4px 4px rgb(160, 193,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7768, 45.6974, 8.1389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 193, 28) }
```

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

```
.background{ background-color: rgb(160,  
193, 28) }
```

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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