

Converting Colors

XYZ(35.8479, 45.3985, 6.8734)

Have a look what the booklet for
XYZ(35.8479, 45.3985, 6.8734)
contains.

XYZ(35.8768, 45.5092, 6.8932)	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(35.8768, 45.5092,
6.8932)**

Conversions

Conversions Part 1

Format	Color
Hex	AFBD00
RGB	175, 189, 0
RGB Percent	69%, 74%, 0%
CMY	0.3137, 0.2588, 0.9999
CMYK	0.07, 0.00, 1.00, 0.26
HSL	64°, 100%, 37%
HSV	64°, 100%, 74%
XYZ	35.8768, 45.5092, 6.8932
YIQ	163.2680, 52.3250, -61.7470

Conversions

Conversions Part 2

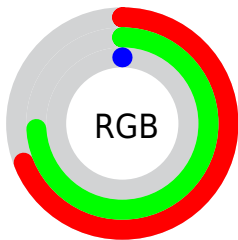
Format	Color
RYB	0, 189, 14
Decimal	11517184
CIELab	73.23, -23.24, 74.13
CIELCh	73, 77.686, 107.410
Yxy	45.5092, 0.4064, 0.5155
Android (android.graphics.Color)	4289707264 (0xFFAFBD00)
YUV	163.2680, -80.4911, 10.2890
Hunter-Lab	67.4605, -23.1261, 41.1640

Details

The XYZ color **35.8768, 45.5092, 6.8932** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **9.3676, 3.7683, 48.3806**, and the grayscale version is **35.2932, 37.1312, 40.4359**.

A 20% lighter version of the original color is **68.0693, 83.3913, 20.2931**, and **16.2754, 21.4599, 3.2844** is the 20% darker color. If you saturate the color by 10%, you get **35.8774, 45.5111, 6.8936**, and if you desaturate by 10%, it is **36.3106, 45.7209, 7.5237**.

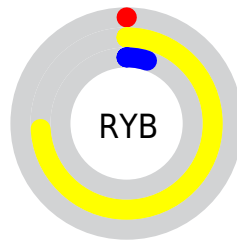
Distribution



Red (69%)

Green (74%)

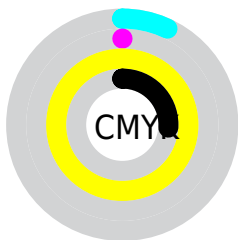
Blue (0%)



Red (0%)

Yellow (74%)

Blue (5%)

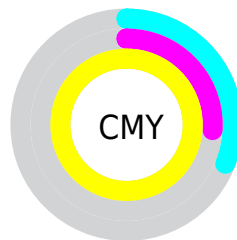


Cyan (7%)

Magenta (0%)

Yellow (100%)

Black (26%)



Cyan (31%)


Magenta (26%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8768, 45.5092, 6.8932 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 35.8768, 45.5092, 6.8932 by changing the saturation by 10% instead.


 35.8768, 45.5092,
6.8932


 35.8768, 45.5092,
6.8932


319.8624,
368.8319, 176.3704


 24.5087, 31.8587,
3.3180


 68.1670, 83.4840,
20.2672

 15.8382, 21.2536,
1.2592


 89.8198, 108.5771,
30.9031


 9.4999, 13.3095,
0.0280


 115.6316,
138.2531, 44.7296

 5.1283, 7.6420,
0.0000

 145.9677,
172.8966, 62.1653

 2.3583, 3.8667,
0.0000

 181.1935,
212.8918, 83.6287

 0.8242, 1.5993,
0.0000

 221.6743,

 0.0000, 0.3571,

258.6231, 109.5383

0.0000

267.7755,
310.4751, 140.3127

■ 0.0000, 0.0000,
0.0000

■ 35.8768, 45.5092,
6.8932

■ 35.8768, 45.5092,
6.8932

■ 35.8774, 45.5111,
6.8936

■ 36.3106, 45.7209,
7.5237

■ 36.8600, 45.9776,
8.7504

■ 37.5673, 46.2977,
10.7908

■ 38.4529, 46.6897,
13.7539

■ 39.5346, 47.1604,
17.7319

■ 40.8277, 47.7160,
22.8059

■ 42.3461, 48.3621,
29.0486

■ 44.1023, 49.1038,
36.5267

■ 46.1081, 49.9457,
45.3018

Harmonies

Analogous

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



49.2239, 45.5092, 6.4638



35.8768, 45.5092, 6.8932



26.6851, 45.5092, 14.1330

Triad

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



35.8768, 45.5092, 6.8932



27.8307, 45.5092, 127.9120



74.2112, 45.5092, 67.7820

Complementary

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



35.8768, 45.5092, 6.8932



9.3676, 3.7683, 48.3806

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.



65.5647, 45.5092, 119.6940



35.8768, 45.5092, 6.8932



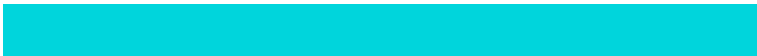
37.7895, 45.5092, 164.8551

Square

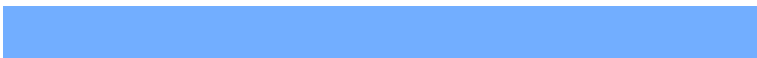
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



35.8768, 45.5092, 6.8932



22.7550, 45.5092, 75.5776



51.5815, 45.5092, 161.2403



73.3966, 45.5092, 30.3135

Rectangle

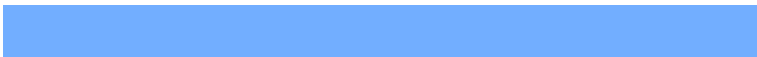
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.8768, 45.5092, 6.8932



23.2871, 45.5092, 25.9473



51.5815, 45.5092, 161.2403



72.2499, 45.5092, 84.3438

Sweetspot

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



35.8778, 45.5113, 6.8941



75.6944, 86.5509, 51.4247



21.1267, 11.0977, 1.0291



16.0222, 18.5039, 9.9982



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



35.8778, 45.5113, 6.8941



64.1627, 81.4592, 12.3415



21.6709, 38.1874, 6.2293



10.2506, 11.0836, 10.1757



24.1662, 30.6340, 4.6393



0.9676, 1.2108, 0.1827

Inverse Universe

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



9.3676, 3.7683, 48.3806



16.7030, 6.7103, 86.6411



15.2628, 6.8074, 48.6565



9.0803, 9.2582, 11.9806



6.3279, 2.5482, 32.5512



0.2705, 0.1115, 1.2761

Previews

White Background



This preview shows how the XYZ color 35.8768, 45.5092, 6.8932 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 35.8768, 45.5092, 6.8932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

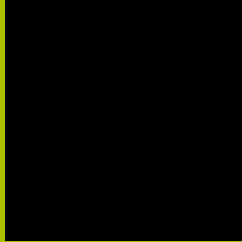
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.8768, 45.5092, 6.8932

Background



This preview shows how black text looks on a background with the XYZ color 35.8768, 45.5092, 6.8932.



This preview shows how white text looks on a background with the XYZ color 35.8768, 45.5092,

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

35.8768, 45.5092, 6.8932

Protanopia

40.9499, 45.3390, 6.5930

Deuteranopia

46.3006, 45.1793, 7.5765



Tritanopia

45.6969, 45.5436, 54.5264

Trichromacy



Original Color

35.8768, 45.5092, 6.8932

Protanomaly

38.9258, 45.2044, 6.6737

Deuteranomaly

41.8608, 44.9047, 7.1230

Tritanomaly

39.6812, 44.5942, 24.2854

Monochromacy



Original Color

35.8768, 45.5092, 6.8932

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.1876, 38.7200, 18.8212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8768, 45.5092, 6.8932 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(175, 189, 0)` looks like.

```
.text, #text, p{  
    color:rgb(175, 189, 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(175, 189, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 189, 0) }
```

Border

The CSS property to change the border of an element to XYZ 35.8768, 45.5092, 6.8932 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(175, 189, 0) }
```


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

```
.border{ border-color:rgb(175, 189, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 189, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 189, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 189, 0);  
box-shadow:4px 4px 4px 4px rgb(175, 189,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8768, 45.5092, 6.8932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 189, 0) }
```

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

```
.background{ background-color: rgb(175,  
189, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor