

Converting Colors

XYZ(39.1346, 33.5501, 4.4132)

Have a look what the booklet for
XYZ(39.1346, 33.5501, 4.4132)
contains.

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Color

**XYZ(39.0699, 33.4209,
4.3917)**

Conversions

Conversions Part 1

Format	Color
Hex	DE8900
RGB	222, 137, 0
RGB Percent	87%, 54%, 0%
CMY	0.1294, 0.4627, 1.0000
CMYK	0.00, 0.38, 1.00, 0.13
HSL	37°, 100%, 44%
HSV	37°, 100%, 87%
XYZ	39.0699, 33.4209, 4.3917
YIQ	146.7970, 94.6370, -24.5870

Conversions

Conversions Part 2

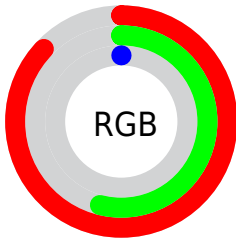
Format	Color
RYB	138, 222, 0
Decimal	14584064
CIELab	64.50, 24.78, 70.20
CIELCh	65, 74.451, 70.556
Yxy	33.4209, 0.5082, 0.4347
Android (android.graphics.Color)	4292774144 (0xFFDE8900)
YUV	146.7970, -72.3709, 65.9530
Hunter-Lab	57.8108, 19.4656, 35.9635

Details

The XYZ color **39.0699, 33.4209, 4.3917** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **16.4338, 11.7717, 70.5128**, and the grayscale version is **27.9129, 29.3665, 31.9801**.

A 20% lighter version of the original color is **61.0405, 58.9895, 14.2998**, and **17.9054, 14.2900, 1.8145** is the 20% darker color. If you saturate the color by 10%, you get **39.0699, 33.4213, 4.3918**, and if you desaturate by 10%, it is **40.4738, 35.9941, 5.5842**.

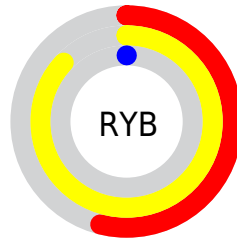
Distribution



Red (87%)

Green (54%)

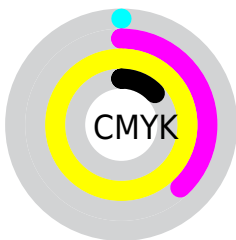
Blue (0%)



Red (54%)

Yellow (87%)

Blue (0%)

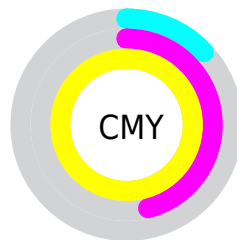


Cyan (0%)

Magenta (38%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (46%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.0699, 33.4209, 4.3917 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 39.0699, 33.4209, 4.3917 by changing the saturation by 10% instead.


 39.0699, 33.4209,
4.3917


 39.0699, 33.4209,
4.3917


333.3896,
317.5421, 152.4844


 26.9951, 22.4491,
1.8426


 73.0385, 65.0321,
14.9035

 17.7061, 14.1872,
0.4558


 95.6629, 86.4403,
23.7033

 10.8376, 8.2510,
0.0000


 122.5347,
112.0960, 35.4237

 6.0242, 4.2560,
0.0000

 154.0190,
142.3837, 50.4833

 2.9006, 1.8178,
0.0000

 190.4813,
177.6878, 69.3007


 1.1014, 0.4982,
0.0000

 232.2870,


 0.0263, 0.0000,


218.3926, 92.2943


0.0000


 279.8013,
264.8826, 119.8827


 0.0000, 0.0000,
0.0000


 39.0699, 33.4209,
4.3917


 39.0699, 33.4209,
4.3917


 39.0699, 33.4213,
4.3918

 40.4738, 35.9941,
5.5842

 42.1430, 38.8276,
7.6969

 44.1351, 41.9493,
11.0201

 46.4832, 45.3754,
15.7182

 49.2154, 49.1205,
21.9295

■ 52.3565, 53.1973,
29.7756

■ 55.9290, 57.6178,
39.3653

■ 59.9533, 62.3930,
50.7983

■ 64.4485, 67.5333,
64.1664

Harmonies

Analogous

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



49.9710, 33.4209, 10.0503



39.0699, 33.4209, 4.3917



28.1650, 33.4209, 3.8427

Triad

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



39.0699, 33.4209, 4.3917



15.6062, 33.4209, 48.2065



47.0013, 33.4209, 101.4776

Complementary

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



39.0699, 33.4209, 4.3917



16.4338, 11.7717, 70.5128

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.



35.6607, 33.4209, 129.6526



39.0699, 33.4209, 4.3917



18.6252, 33.4209, 89.2881

Square

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



39.0699, 33.4209, 4.3917



16.1224, 33.4209, 20.1697



25.4336, 33.4209, 124.2504



55.2110, 33.4209, 59.5713

Rectangle

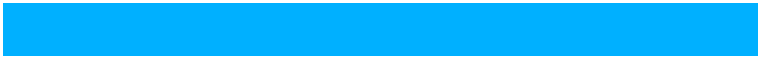
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



39.0699, 33.4209, 4.3917



22.4632, 33.4209, 5.6691



25.4336, 33.4209, 124.2504



43.3358, 33.4209, 113.6976

Sweetspot

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



39.0706, 33.4226, 4.3923



76.4438, 78.7297, 53.5505



31.7681, 16.1873, 10.0667



15.9028, 16.2896, 10.2091



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.



39.0706, 33.4226, 4.3923



53.3592, 45.4985, 5.9697



48.9124, 63.9915, 9.7740



14.4080, 15.1020, 14.4624



23.3175, 20.0729, 2.6455



1.7020, 1.5629, 0.2120

Inverse Universe

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



16.4338, 11.7717, 70.5128



22.3834, 15.8868, 96.4945



13.6086, 5.4926, 69.4497



13.3801, 14.0993, 17.4039



9.8605, 7.1906, 41.9166



0.7682, 0.6678, 2.9337

Previews

White Background



This preview shows how the XYZ color 39.0699, 33.4209, 4.3917 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 39.0699, 33.4209, 4.3917 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 39.0699, 33.4209, 4.3917

Background



This preview shows how black text looks on a background with the XYZ color 39.0699, 33.4209, 4.3917.



This preview shows how white text looks on a background with the XYZ color 39.0699, 33.4209,

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

39.0699, 33.4209, 4.3917

Protanopia

30.2820, 33.4985, 5.3600

Deuteranopia

34.0361, 33.5007, 4.6724



Tritanopia

43.7833, 33.3158, 27.7899

Trichromacy



Original Color

39.0699, 33.4209, 4.3917

Protanomaly

32.9535, 33.1721, 4.9532

Deuteranomaly

35.8575, 33.5162, 4.5794

Tritanomaly

40.8879, 32.9283, 13.2176

Monochromacy



Original Color

39.0699, 33.4209, 4.3917

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

29.2984, 29.4517, 14.7302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.0699, 33.4209, 4.3917 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(222, 137, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 137, 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(222, 137, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 137, 0) }
```

Border

The CSS property to change the border of an element to XYZ 39.0699, 33.4209, 4.3917 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(222, 137, 0) }
```


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

```
.border{ border-color:rgb(222, 137, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 137, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 137, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 137, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 137,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 39.0699, 33.4209, 4.3917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 137, 0) }
```

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

```
.background{ background-color: rgb(222,  
137, 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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