

Converting Colors

XYZ(38.8705, 33.0903, 4.3384)

Have a look what the booklet for
XYZ(38.8705, 33.0903, 4.3384)
contains.

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Color

**XYZ(38.9284, 33.1379,
4.3445)**

Conversions

Conversions Part 1

Format	Color
Hex	DE8800
RGB	222, 136, 0
RGB Percent	87%, 53%, 0%
CMY	0.1294, 0.4666, 1.0000
CMYK	0.00, 0.39, 1.00, 0.13
HSL	37°, 100%, 44%
HSV	37°, 100%, 87%
XYZ	38.9284, 33.1379, 4.3445
YIQ	146.2100, 94.9120, -24.0640

Conversions

Conversions Part 2

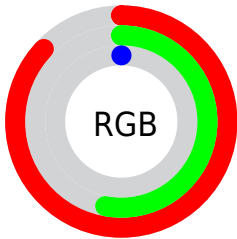
Format	Color
RYB	140, 222, 0
Decimal	14583808
CIELab	64.27, 25.32, 70.06
CIElCh	64, 74.492, 70.132
Yxy	33.1379, 0.5095, 0.4337
Android (android.graphics.Color)	4292773888 (0xFFDE8800)
YUV	146.2100, -72.0815, 66.4678
Hunter-Lab	57.5655, 19.9701, 35.8212

Details

The XYZ color **38.9284, 33.1379, 4.3445** 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 **16.5129, 11.9301, 70.5392**, and the grayscale version is **27.6687, 29.1096, 31.7003**.

A 20% lighter version of the original color is **60.8232, 58.5548, 14.2274**, and **17.8250, 14.1292, 1.7877** is the 20% darker color. If you saturate the color by 10%, you get **38.9285, 33.1385, 4.3446**, and if you desaturate by 10%, it is **40.3362, 35.7189, 5.5382**.

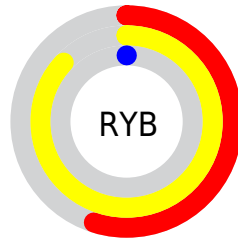
Distribution



Red (87%)

Green (53%)

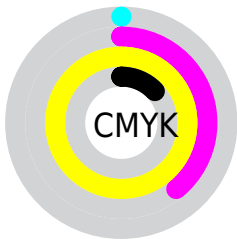
Blue (0%)



Red (55%)

Yellow (87%)

Blue (0%)

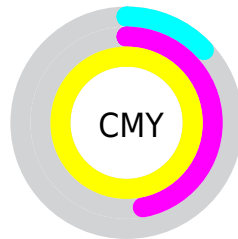


Cyan (0%)

Magenta (39%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (47%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9284, 33.1379, 4.3445 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 38.9284, 33.1379, 4.3445 by changing the saturation by 10% instead.


 38.9284, 33.1379,
4.3445


 38.9284, 33.1379,
4.3445

332.7984,
316.2707, 151.9808


 26.8845, 22.2321,
1.8162


 72.8237, 64.5908,
14.7968


 17.6226, 14.0275,
0.4386


 95.4058, 85.9066,
23.5578

 10.7774, 8.1398,
0.0000


 122.2314,
111.4613, 35.2335

 5.9836, 4.1846,
0.0000

 153.6657,
141.6392, 50.2424

 2.8757, 1.7773,
0.0000

 190.0743,
176.8247, 69.0031


 1.0884, 0.4730,
0.0000

 231.8223,


 0.0153, 0.0000,


217.4021, 91.9340


0.0000


 279.2752,
263.7560, 119.4537


 0.0000, 0.0000,
0.0000


 38.9284, 33.1379,
4.3445


 38.9284, 33.1379,
4.3445


 38.9285, 33.1385,
4.3446

 40.3362, 35.7189,
5.5382

 42.0113, 38.5643,
7.6529

 44.0116, 41.7023,
10.9788

 46.3700, 45.1492,
15.6802

 49.1149, 48.9196,
21.8956

■ 52.2711, 53.0265,
29.7466

■ 55.8610, 57.4820,
39.3421

■ 59.9052, 62.2971,
50.7816

■ 64.4231, 67.4826,
64.1572

Harmonies

Analogous

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



49.7507, 33.1379, 10.0503



38.9284, 33.1379, 4.3445



28.0517, 33.1379, 3.7499

Triad

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



38.9284, 33.1379, 4.3445



15.4151, 33.1379, 47.3319



46.5125, 33.1379, 101.4705

Complementary

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



38.9284, 33.1379, 4.3445



16.5129, 11.9301, 70.5392

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.



35.2126, 33.1379, 129.1887



38.9284, 33.1379, 4.3445



18.3628, 33.1379, 88.1682

Square

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



38.9284, 33.1379, 4.3445



15.9768, 33.1379, 19.6824



25.0765, 33.1379, 123.2913



54.7642, 33.1379, 59.7243

Rectangle

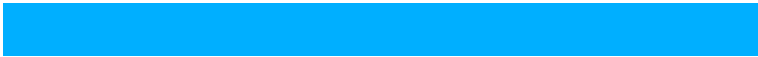
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.9284, 33.1379, 4.3445



22.3484, 33.1379, 5.5096



25.0765, 33.1379, 123.2913



42.8522, 33.1379, 113.5653

Sweetspot

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



38.9291, 33.1396, 4.3451



76.3504, 78.5429, 53.5194



31.9192, 16.2477, 10.8623



15.8806, 16.2451, 10.2017



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.



38.9291, 33.1396, 4.3451



53.1653, 45.1106, 5.9051



49.8873, 64.4942, 9.8196



14.4027, 15.0914, 14.4606



23.2338, 19.9054, 2.6176



1.6965, 1.5519, 0.2101

Inverse Universe

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



16.5129, 11.9301, 70.5392



22.4911, 16.1022, 96.5304



13.5204, 5.4471, 69.4456



13.3853, 14.1096, 17.4056



9.9083, 7.2861, 41.9325



0.7718, 0.6751, 2.9349

Previews

White Background



This preview shows how the XYZ color 38.9284, 33.1379, 4.3445 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 38.9284, 33.1379, 4.3445 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 38.9284, 33.1379, 4.3445

Background



This preview shows how black text looks on a background with the XYZ color 38.9284, 33.1379, 4.3445.

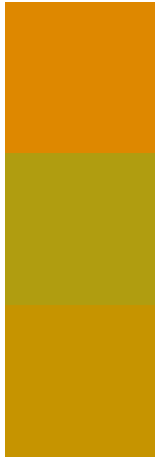


This preview shows how white text looks on a background with the XYZ color 38.9284, 33.1379,

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

38.9284, 33.1379, 4.3445

Protanopia

30.0550, 33.3815, 5.3494

Deuteranopia

33.8786, 33.1856, 4.6199



Tritanopia

43.5833, 33.0302, 27.3709

Trichromacy



Original Color

38.9284, 33.1379, 4.3445

Protanomaly

32.7946, 32.8543, 4.9002

Deuteranomaly

35.7054, 33.2119, 4.5287

Tritanomaly

40.7543, 32.6609, 13.1730

Monochromacy



Original Color

38.9284, 33.1379, 4.3445

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

29.1043, 29.1350, 14.4456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9284, 33.1379, 4.3445 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, 136, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 136, 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, 136, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 136, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.9284, 33.1379, 4.3445 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, 136, 0) }
```


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

```
.border{ border-color:rgb(222, 136, 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, 136, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 136, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 136, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 136,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9284, 33.1379, 4.3445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 136, 0) }
```

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

```
.background{ background-color: rgb(222,  
136, 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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