

Converting Colors

XYZ(40.3331, 33.8431, 5.2707)

Have a look what the booklet for
XYZ(40.3331, 33.8431, 5.2707)
contains.

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Color

**XYZ(40.3331, 33.8430,
5.2707)**

Conversions

Conversions Part 1

Format	Color
Hex	E28818
RGB	226, 136, 24
RGB Percent	89%, 53%, 9%
CMY	0.1137, 0.4666, 0.9059
CMYK	0.00, 0.40, 0.89, 0.11
HSL	33°, 81%, 49%
HSV	33°, 89%, 89%
XYZ	40.3331, 33.8430, 5.2707
YIQ	150.1420, 89.5920, -15.7520

Conversions

Conversions Part 2

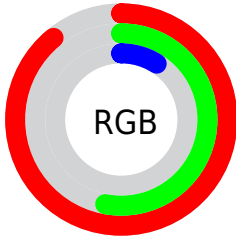
Format	Color
RYB	186, 226, 24
Decimal	14845976
CIELab	64.84, 27.29, 66.49
CIELCh	65, 71.870, 67.681
Yxy	33.8430, 0.5077, 0.4260
Android (android.graphics.Color)	4293036056 (0xFFE28818)
YUV	150.1420, -62.1880, 66.5275
Hunter-Lab	58.1747, 21.9500, 35.3506

Details

The XYZ color **40.3331, 33.8430, 5.2707** 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 **20.1213, 17.7194, 74.3108**, and the grayscale version is **29.2801, 30.8050, 33.5466**.

A 20% lighter version of the original color is **61.2148, 58.7114, 16.2897**, and **18.6376, 14.5481, 1.8258** is the 20% darker color. If you saturate the color by 10%, you get **38.8244, 31.0775, 3.9926**, and if you desaturate by 10%, it is **42.1595, 36.9517, 7.5581**.

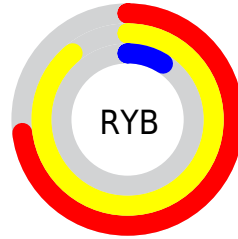
Distribution



Red (89%)

Green (53%)

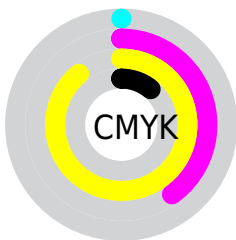
Blue (9%)



Red (73%)

Yellow (89%)

Blue (9%)

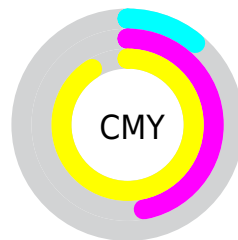


Cyan (0%)

Magenta (40%)

Yellow (89%)

Black (11%)



Cyan (11%)


Magenta (47%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3331, 33.8430, 5.2707 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 40.3331, 33.8430, 5.2707 by changing the saturation by 10% instead.


 40.3331, 33.8430,
5.2707


 40.3331, 33.8430,
5.2707

338.6359,
319.4314, 161.4468


 27.9837, 22.7730,
2.3454

 74.9516, 65.6894,
16.8480


 18.4538, 14.4260,
0.7565


 97.9514, 87.2347,
26.3371

 11.3779, 8.4175,
0.0000


 125.2321,
113.0405, 38.8513

 6.3908, 4.3633,
0.0000

 157.1590,
143.4912, 54.8091

 3.1270, 1.8788,
0.0000

 194.0975,
178.9713, 74.6290

 1.2213, 0.5356,
0.0000

 236.4129,

 0.1231, 0.0000,

219.8651, 98.7295

0.0000

284.4706,
266.5570, 127.5293

■ 0.0000, 0.0000,
0.0000

■ 40.3331, 33.8430,
5.2707

■ 40.3331, 33.8430,
5.2707

■ 38.8244, 31.0775,
3.9926

■ 42.1595, 36.9517,
7.5581

■ 38.7370, 30.9149,
3.9255

■ 44.3571, 40.4262,
11.1288

■ 46.9621, 44.2878,
16.1538

■ 50.0048, 48.5540,
22.7771

■ 53.5124, 53.2406,
31.1249

■ 57.5091, 58.3622,
41.3108

■ 62.0175, 63.9325,
53.4386

■ 67.0585, 69.9645,
67.6043

■ 72.6517, 76.4706,
83.8975

Harmonies

Analogous

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



50.6309, 33.8430, 11.8334



40.3331, 33.8430, 5.2707



29.5789, 33.8430, 4.3080

Triad

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



40.3331, 33.8430, 5.2707



16.1984, 33.8430, 45.0060



45.9322, 33.8430, 102.8799

Complementary

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



40.3331, 33.8430, 5.2707



20.1213, 17.7194, 74.3108

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.



34.9013, 33.8430, 127.1297



40.3331, 33.8430, 5.2707



18.8456, 33.8430, 83.8319

Square

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



40.3331, 33.8430, 5.2707



17.0435, 33.8430, 19.1639



25.1846, 33.8430, 118.7391



54.3169, 33.8430, 63.0130

Rectangle

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



40.3331, 33.8430, 5.2707



23.7778, 33.8430, 5.9115



25.1846, 33.8430, 118.7391



42.3277, 33.8430, 113.8891

Sweetspot

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



40.3339, 33.8448, 5.2713



76.8622, 78.2981, 57.6000



34.7795, 18.0577, 17.8427



16.0382, 16.2400, 11.2420



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.



40.3339, 33.8448, 5.2713



50.8227, 40.4255, 5.1242



55.6504, 69.0420, 11.2578



14.3343, 14.9545, 14.4378



22.2198, 17.8776, 2.2796



1.6291, 1.4170, 0.1877

Inverse Universe

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



20.1213, 17.7194, 74.3108



24.0232, 19.1664, 97.0411



14.7173, 6.4863, 72.4274



13.4522, 14.2436, 17.4280



10.5837, 8.6369, 42.1576



0.8219, 0.7752, 2.9516

Previews

White Background



This preview shows how the XYZ color 40.3331, 33.8430, 5.2707 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 40.3331, 33.8430, 5.2707 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 40.3331, 33.8430, 5.2707

Background



This preview shows how black text looks on a background with the XYZ color 40.3331, 33.8430, 5.2707.



This preview shows how white text looks on a background with the XYZ color 40.3331, 33.8430,

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

40.3331, 33.8430, 5.2707

Protanopia

30.8213, 34.0124, 6.1689

Deuteranopia

34.7641, 34.1074, 4.9521



Tritanopia

44.9883, 33.9452, 27.4735

Trichromacy



Original Color

40.3331, 33.8430, 5.2707

Protanomaly

33.6216, 33.4986, 5.7924

Deuteranomaly

36.4925, 33.8352, 4.9882

Tritanomaly

42.3613, 33.4495, 15.0502

Monochromacy



Original Color

40.3331, 33.8430, 5.2707

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.9842, 30.7153, 17.3923

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3331, 33.8430, 5.2707 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(226, 136, 24)` looks like.

```
.text, #text, p{  
    color:rgb(226, 136, 24)  
}
```

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(226, 136, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 136, 24) }
```

Border

The CSS property to change the border of an element to XYZ 40.3331, 33.8430, 5.2707 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(226, 136, 24) }
```


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

```
.border{ border-color:rgb(226, 136, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 136, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 136, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 136, 24);  
box-shadow:4px 4px 4px 4px rgb(226, 136,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3331, 33.8430, 5.2707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 136, 24) }
```

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

```
.background{ background-color: rgb(226,  
136, 24) }
```

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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