

Converting Colors

XYZ(38.3250, 33.2709, 8.7888)

Have a look what the booklet for
XYZ(38.3250, 33.2709, 8.7888)
contains.

XYZ(38.3938, 33.4011, 8.8384)	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(38.3938, 33.4011,
8.8384)**

Conversions

Conversions Part 1

Format	Color
Hex	D88B3D
RGB	216, 139, 61
RGB Percent	85%, 55%, 24%
CMY	0.1529, 0.4549, 0.7608
CMYK	0.00, 0.36, 0.72, 0.15
HSL	30°, 67%, 54%
HSV	30°, 72%, 85%
XYZ	38.3938, 33.4011, 8.8384
YIQ	153.1310, 70.9300, -7.9340

Conversions

Conversions Part 2

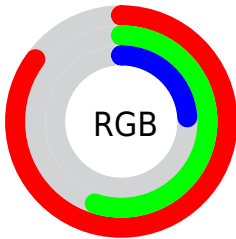
Format	Color
RYB	214, 216, 61
Decimal	14191421
CIELab	64.48, 22.70, 52.17
CIELCh	64, 56.892, 66.490
Yxy	33.4011, 0.4762, 0.4142
Android (android.graphics.Color)	4292381501 (0xFFD88B3D)
YUV	153.1310, -45.4206, 55.1361
Hunter-Lab	57.7937, 17.4431, 31.3883

Details

The XYZ color **38.3938, 33.4011, 8.8384** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **23.4070, 24.1257, 68.3882**, and the grayscale version is **30.5062, 32.0949, 34.9514**.

A 20% lighter version of the original color is **63.2346, 60.5698, 23.6875**, and **17.3046, 14.2214, 1.9478** is the 20% darker color. If you saturate the color by 10%, you get **36.4469, 30.2586, 5.8742**, and if you desaturate by 10%, it is **40.7289, 36.9457, 13.0880**.

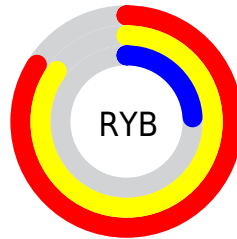
Distribution



Red (85%)

Green (55%)

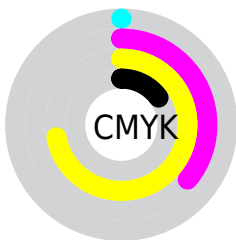
Blue (24%)



Red (84%)

Yellow (85%)

Blue (24%)

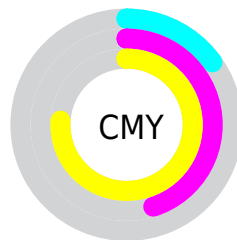


Cyan (0%)

Magenta (36%)

Yellow (72%)

Black (15%)



Cyan (15%)


Magenta (45%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3938, 33.4011, 8.8384 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 38.3938, 33.4011, 8.8384 by changing the saturation by 10% instead.


 38.3938, 33.4011,
8.8384


 38.3938, 33.4011,
8.8384


330.5580,
317.4533, 192.3412


 26.4671, 22.4339,
4.5406


 72.0113, 65.0012,
24.1591


 17.3079, 14.1761,
1.9263


 94.4329, 86.4030,
36.0191

 10.5509, 8.2432,
0.5094


 121.0834,
112.0516, 51.2368

 5.8308, 4.2510,
0.0000

 152.3282,
142.3317, 70.2309

 2.7821, 1.8149,
0.0000

 188.5327,
177.6275, 93.4198

 1.0396, 0.4964,
0.0000

 230.0623,

 0.0000, 0.0000,

218.3234, 121.2222

0.0000

277.2823,
264.8039, 154.0565

■ 38.3938, 33.4011,
8.8384

■ 38.3938, 33.4011,
8.8384

■ 36.4469, 30.2586,
5.8742

■ 40.7289, 36.9457,
13.0880

■ 34.8515, 27.4923,
4.0335

■ 43.4793, 40.9057,
18.7547

■ 33.7558, 25.4730,
3.1377

■ 46.6716, 45.2996,
25.9557

■ 50.3292, 50.1430,
34.7955

■ 54.4738, 55.4506,
45.3692

■ 59.1255, 61.2361,
57.7645

■ 64.3030, 67.5128,
72.0632

■ 70.0242, 74.2933,
88.3422

■ 76.2410, 81.5636,
106.3328

Harmonies

Analogous

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



46.0321, 33.4011, 15.7258



38.3938, 33.4011, 8.8384



30.0139, 33.4011, 7.5700

Triad

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



38.3938, 33.4011, 8.8384



18.6193, 33.4011, 41.6618



41.9702, 33.4011, 85.4864

Complementary

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



38.3938, 33.4011, 8.8384



23.4070, 24.1257, 68.3882

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.



33.5450, 33.4011, 101.3761



38.3938, 33.4011, 8.8384



20.7726, 33.4011, 69.9815

Square

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



38.3938, 33.4011, 8.8384



19.4703, 33.4011, 21.2835



25.9149, 33.4011, 94.7395



48.3308, 33.4011, 57.2894

Rectangle

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



38.3938, 33.4011, 8.8384



25.2773, 33.4011, 9.2268



25.9149, 33.4011, 94.7395



39.2354, 33.4011, 92.8907

Sweetspot

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



38.3946, 33.4028, 8.8390



79.0426, 80.3898, 65.3228



34.6114, 19.7861, 26.2302



16.5512, 16.7411, 13.0312



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.



38.3946, 33.4028, 8.8390



51.8428, 41.9634, 7.0125



53.7167, 64.0471, 13.9464



12.9345, 13.4433, 13.0738



20.0883, 15.2938, 1.8932



1.2944, 1.0880, 0.1418

Inverse Universe

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



23.4070, 24.1257, 68.3882



28.8368, 27.7291, 98.4401



15.9881, 9.2878, 65.9153



12.2470, 13.0175, 15.8047



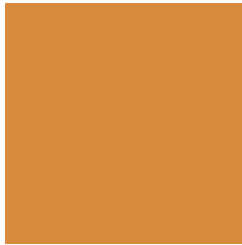
10.5745, 9.4108, 39.7123



0.7206, 0.7332, 2.4228

Previews

White Background



This preview shows how the XYZ color 38.3938, 33.4011, 8.8384 looks on a white background.

Color Contrast Check

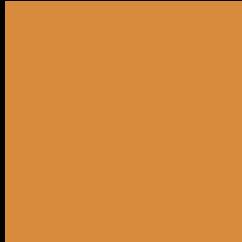
Large Text (above 18pt) WCAG AA × Fail

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 38.3938, 33.4011, 8.8384 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 38.3938, 33.4011, 8.8384

Background



This preview shows how black text looks on a background with the XYZ color 38.3938, 33.4011, 8.8384.



This preview shows how white text looks on a background with the XYZ color 38.3938, 33.4011,

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

38.3938, 33.4011, 8.8384

Protanopia

30.4959, 33.5060, 10.0142

Deuteranopia

34.2761, 33.5361, 8.6696



Tritanopia

42.6687, 33.4982, 29.0279

Trichromacy



Original Color

38.3938, 33.4011, 8.8384

Protanomaly

32.8180, 33.0017, 9.4908

Deuteranomaly

35.5434, 33.2631, 8.6847

Tritanomaly

40.6078, 33.2580, 19.3181

Monochromacy



Original Color

38.3938, 33.4011, 8.8384

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.8846, 31.7660, 22.2202

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3938, 33.4011, 8.8384 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(216, 139, 61)` looks like.

```
.text, #text, p{  
    color:rgb(216, 139, 61)  
}
```

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(216, 139, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 139, 61) }
```

Border

The CSS property to change the border of an element to XYZ 38.3938, 33.4011, 8.8384 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(216, 139, 61) }
```


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

```
.border{ border-color:rgb(216, 139, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 139, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 139, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 139, 61);  
box-shadow:4px 4px 4px 4px rgb(216, 139,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3938, 33.4011, 8.8384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 139, 61) }
```

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

```
.background{ background-color: rgb(216,  
139, 61) }
```

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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