

Converting Colors

XYZ(38.3884, 33.5297, 8.2580)

Have a look what the booklet for
XYZ(38.3884, 33.5297, 8.2580)
contains.

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Color

**XYZ(38.4355, 33.6505,
8.3403)**

Conversions

Conversions Part 1

Format	Color
Hex	D88C39
RGB	216, 140, 57
RGB Percent	85%, 55%, 22%
CMY	0.1529, 0.4510, 0.7765
CMYK	0.00, 0.35, 0.74, 0.15
HSL	31°, 67%, 54%
HSV	31°, 74%, 85%
XYZ	38.4355, 33.6505, 8.3403
YIQ	153.2620, 71.9390, -9.7010

Conversions

Conversions Part 2

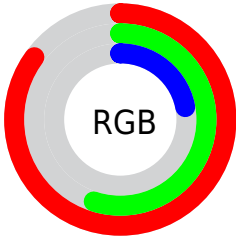
Format	Color
R _Y B	203, 216, 57
Decimal	14191673
CIE Lab	64.68, 21.97, 54.17
CIE LCh	65, 58.457, 67.927
Yxy	33.6505, 0.4779, 0.4184
Android (android.graphics.Color)	4292381753 (0xFFD88C39)
YUV	153.2620, -47.4572, 55.0212
Hunter-Lab	58.0091, 16.7543, 32.0819

Details

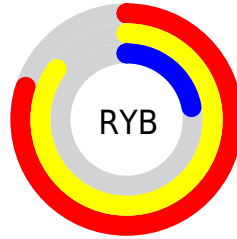
The XYZ color **38.4355, 33.6505, 8.3403** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **22.4690, 22.6016, 68.1436**, and the grayscale version is **30.5718, 32.1639, 35.0265**.

A 20% lighter version of the original color is **63.2921, 60.9477, 22.8962**, and **17.3665, 14.3802, 1.8604** is the 20% darker color. If you saturate the color by 10%, you get **36.5685, 30.6035, 5.6013**, and if you desaturate by 10%, it is **40.6746, 37.0757, 12.3340**.

Distribution



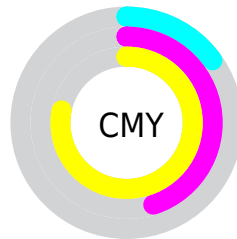
- Red (85%)
- Green (55%)
- Blue (22%)



- Red (80%)
- Yellow (85%)
- Blue (22%)



- Cyan (0%)
- Magenta (35%)
- Yellow (74%)
- Black (15%)





- Cyan (15%)
- Magenta (45%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4355, 33.6505, 8.3403 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 38.4355, 33.6505, 8.3403 by changing the saturation by 10% instead.


 38.4355, 33.6505,
8.3403


 38.4355, 33.6505,
8.3403


330.7331,
318.5708, 188.4105


 26.4996, 22.6252,
4.2226


 72.0748, 65.3898,
23.1800

 17.3324, 14.3170,
1.7482


 94.5088, 86.8726,
34.7391


 10.5685, 8.3415,
0.3935


 121.1730,
112.6101, 49.6157

 5.8427, 4.3142,
0.0000

 152.4327,
142.9866, 68.2283

 2.7894, 1.8508,
0.0000

 188.6532,
178.3865, 90.9956

 1.0434, 0.5186,
0.0000

 230.1998,

 0.0000, 0.0000,

219.1943, 118.3360

0.0000

277.4380,
265.7942, 150.6681

■ 38.4355, 33.6505,
8.3403

■ 38.4355, 33.6505,
8.3403

■ 36.5685, 30.6035,
5.6013

■ 40.6746, 37.0757,
12.3340

■ 35.0362, 27.9092,
3.9489

■ 43.3132, 40.8917,
17.7180

■ 34.1973, 26.3560,
3.2848

■ 46.3780, 45.1164,
24.6121

■ 49.8924, 49.7646,
33.1225

■ 53.8778, 54.8503,
43.3458

■ 58.3543, 60.3867,
55.3708

■ 63.3404, 66.3862,
69.2803

■ 68.8538, 72.8608,
85.1517

■ 74.9110, 79.8218,
103.0582

Harmonies

Analogous

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



46.4670, 33.6505, 14.9505



38.4355, 33.6505, 8.3403



29.8107, 33.6505, 7.2901

Triad

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



38.4355, 33.6505, 8.3403



18.5215, 33.6505, 43.3860



42.9566, 33.6505, 86.4854

Complementary

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



38.4355, 33.6505, 8.3403



22.4690, 22.6016, 68.1436

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.



34.2600, 33.6505, 104.0707



38.4355, 33.6505, 8.3403



20.8741, 33.6505, 72.9951

Square

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



38.4355, 33.6505, 8.3403



19.2449, 33.6505, 21.8787



26.2977, 33.6505, 98.2768



49.3789, 33.6505, 56.8827

Rectangle

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



38.4355, 33.6505, 8.3403



25.0093, 33.6505, 9.1058



26.2977, 33.6505, 98.2768



40.1476, 33.6505, 94.4784

Sweetspot

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



38.4363, 33.6522, 8.3409



79.3320, 80.9685, 65.4192



34.0746, 19.2424, 24.4180



16.6194, 16.8775, 13.0539



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.



38.4363, 33.6522, 8.3409



52.0324, 42.4574, 6.7215



52.8363, 63.6053, 13.3635



12.9543, 13.4828, 13.0804



20.3503, 15.8178, 1.9806



1.3101, 1.1194, 0.1470

Inverse Universe

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



22.4690, 22.6016, 68.1436



27.6705, 25.6399, 98.0983



15.7004, 8.8342, 65.8430



12.2274, 12.9781, 15.7981



10.3280, 8.9178, 39.6301



0.7055, 0.7031, 2.4178

Previews

White Background



This preview shows how the XYZ color 38.4355, 33.6505, 8.3403 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 38.4355, 33.6505, 8.3403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

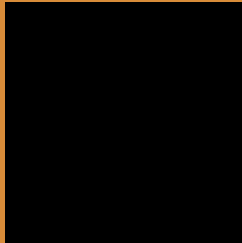
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.4355, 33.6505, 8.3403

Background



This preview shows how black text looks on a background with the XYZ color 38.4355, 33.6505, 8.3403.



This preview shows how white text looks on a background with the XYZ color 38.4355, 33.6505,

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

38.4355, 33.6505, 8.3403

Protanopia

30.7756, 33.9155, 9.4817

Deuteranopia

34.4393, 33.6316, 8.1664



Tritanopia

42.7428, 33.5278, 29.4180

Trichromacy



Original Color

38.4355, 33.6505, 8.3403

Protanomaly

33.1174, 33.4066, 8.9776

Deuteranomaly

35.8703, 33.6710, 8.2230

Tritanomaly

40.5530, 33.2361, 19.0297

Monochromacy



Original Color

38.4355, 33.6505, 8.3403

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.7644, 31.7179, 21.5875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4355, 33.6505, 8.3403 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, 140, 57)` looks like.

```
.text, #text, p{  
    color:rgb(216, 140, 57)  
}
```

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, 140, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 140, 57) }
```

Border

The CSS property to change the border of an element to XYZ 38.4355, 33.6505, 8.3403 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, 140, 57) }
```


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

```
.border{ border-color:rgb(216, 140, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 140, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 140, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 140, 57);  
box-shadow:4px 4px 4px 4px rgb(216, 140,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4355, 33.6505, 8.3403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 140, 57) }
```

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

```
.background{ background-color: rgb(216,  
140, 57) }
```

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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