

Converting Colors

XYZ(37.3122, 37.9856, 2.2037)

Have a look what the booklet for
XYZ(37.3122, 37.9856, 2.2037)
contains.

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Color

**XYZ(38.0244, 38.2634,
5.3815)**

Conversions

Conversions Part 1

Format	Color
Hex	CEA000
RGB	206, 160, 0
RGB Percent	81%, 63%, 0%
CMY	0.1922, 0.3725, 0.9999
CMYK	0.00, 0.22, 1.00, 0.19
HSL	47°, 100%, 40%
HSV	47°, 100%, 81%
XYZ	38.0244, 38.2634, 5.3815
YIQ	155.5140, 78.7760, -40.0080

Conversions

Conversions Part 2

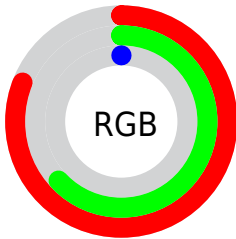
Format	Color
RYB	59, 206, 0
Decimal	13541376
CIELab	68.21, 5.43, 71.80
CIELCh	68, 72.005, 85.676
Yxy	38.2634, 0.4656, 0.4685
Android (android.graphics.Color)	4291731456 (0xFFCEA000)
YUV	155.5140, -76.6684, 44.2762
Hunter-Lab	61.8574, 1.4753, 38.1421

Details

The XYZ color **38.0244, 38.2634, 5.3815** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **12.1180, 6.4110, 58.9908**, and the grayscale version is **31.6909, 33.3413, 36.3087**.

A 20% lighter version of the original color is **66.5911, 69.8749, 16.8150**, and **17.3227, 17.0483, 2.3776** is the 20% darker color. If you saturate the color by 10%, you get **38.0246, 38.2641, 5.3816**, and if you desaturate by 10%, it is **38.9693, 39.9425, 6.3467**.

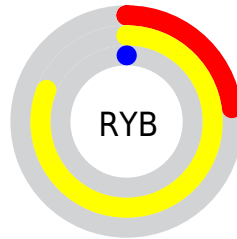
Distribution



Red (81%)

Green (63%)

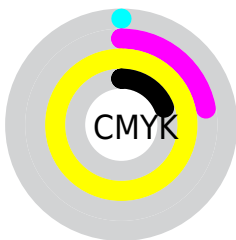
Blue (0%)



Red (23%)

Yellow (81%)

Blue (0%)

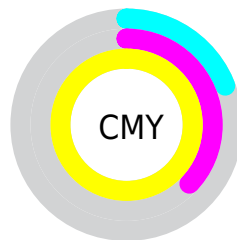


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (19%)



Cyan (19%)


Magenta (37%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0244, 38.2634, 5.3815 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 38.0244, 38.2634, 5.3815 by changing the saturation by 10% instead.


 38.0244, 38.2634,
5.3815


 38.0244, 38.2634,
5.3815


329.0037,
338.7485, 162.5264

 26.1789, 26.1872,
2.4102


 71.4492, 72.5117,
17.0879


 17.0909, 16.9637,
0.7920


 93.7592, 95.4525,
26.6601

 10.3950, 10.2086,
0.0000


 120.2881,
122.7837, 39.2696

 5.7259, 5.5375,
0.0000

 151.4013,
154.8897, 55.3350

 2.7182, 2.5660,
0.0000

 187.4641,
192.1547, 75.2748

 1.0066, 0.9096,
0.0000

 228.8419,

 0.0000, 0.0000,

234.9633, 99.5077

0.0000

275.8999,
283.6997, 128.4520

38.0244, 38.2634,
5.3815

38.0244, 38.2634,
5.3815

38.0246, 38.2641,
5.3816

38.9693, 39.9425,
6.3467

40.0835, 41.7356,
8.0607

41.4162, 43.6642,
10.7761

42.9932, 45.7392,
14.6283

44.8367, 47.9700,
19.7319

■ 46.9659, 50.3646,
26.1874

■ 49.3983, 52.9306,
34.0849

■ 52.1497, 55.6748,
43.5068

■ 55.2349, 58.6035,
54.5293

Harmonies

Analogous

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



49.9876, 38.2634, 8.5759



38.0244, 38.2634, 5.3815



27.7737, 38.2634, 7.0477

Triad

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



38.0244, 38.2634, 5.3815



20.1421, 38.2634, 74.7025



57.3301, 38.2634, 87.2964

Complementary

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



38.0244, 38.2634, 5.3815



12.1180, 6.4110, 58.9908

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.



46.5747, 38.2634, 126.2116



38.0244, 38.2634, 5.3815



25.4788, 38.2634, 116.6787

Square

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



38.0244, 38.2634, 5.3815



18.7745, 38.2634, 37.1619



34.7608, 38.2634, 139.0697



62.4994, 38.2634, 46.5122

Rectangle

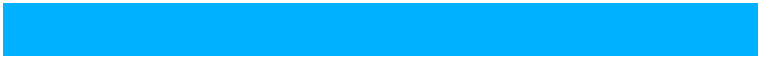
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.0244, 38.2634, 5.3815



22.9783, 38.2634, 11.6273



34.7608, 38.2634, 139.0697



54.1525, 38.2634, 101.7098

Sweetspot

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



38.0253, 38.2653, 5.3822



79.8770, 85.5961, 54.6949



25.9887, 13.3361, 4.0092



16.7255, 17.9348, 10.4833



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.



38.0253, 38.2653, 5.3822



61.4482, 61.6763, 8.6661



34.8468, 50.7283, 7.9554



11.9331, 12.6552, 11.8932



23.4896, 23.7121, 3.3389



1.2655, 1.3307, 0.1902

Inverse Universe

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



12.1180, 6.4110, 58.9908



19.5101, 10.1402, 95.5367



12.7132, 5.2672, 58.7387



10.8016, 11.2435, 14.1713



7.5219, 4.0678, 36.3450



0.4466, 0.3270, 1.8945

Previews

White Background



This preview shows how the XYZ color 38.0244, 38.2634, 5.3815 looks on a white background.

Color Contrast Check

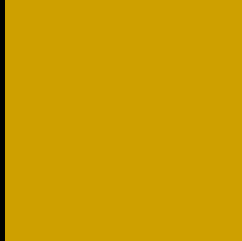
Large Text (above 18pt) WCAG AA × Fail

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 38.0244, 38.2634, 5.3815 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 38.0244, 38.2634, 5.3815

Background



This preview shows how black text looks on a background with the XYZ color 38.0244, 38.2634, 5.3815.



This preview shows how white text looks on a background with the XYZ color 38.0244, 38.2634,

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

38.0244, 38.2634, 5.3815

Protanopia

34.6125, 38.3507, 5.8653

Deuteranopia

39.1456, 38.3245, 5.6213



Tritanopia

44.8242, 38.3291, 38.2935

Trichromacy



Original Color

38.0244, 38.2634, 5.3815

Protanomaly

35.8140, 38.1662, 5.6515

Deuteranomaly

38.7255, 38.3647, 5.5364

Tritanomaly

40.6535, 37.5907, 17.6834

Monochromacy



Original Color

38.0244, 38.2634, 5.3815

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.7647, 34.0135, 16.6955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0244, 38.2634, 5.3815 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(206, 160, 0)` looks like.

```
.text, #text, p{  
    color:rgb(206, 160, 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(206, 160, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 160, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.0244, 38.2634, 5.3815 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(206, 160, 0) }
```


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

```
.border{ border-color:rgb(206, 160, 0) }
```

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

Here you see how a box with a 4 pixel rgb(206, 160, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 160, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 160, 0);  
box-shadow:4px 4px 4px 4px rgb(206, 160,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0244, 38.2634, 5.3815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 160, 0) }
```

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

```
.background{ background-color: rgb(206,  
160, 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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