

Converting Colors

XYZ(38.9801, 38.1622, 9.9249)

Have a look what the booklet for
XYZ(38.9801, 38.1622, 9.9249)
contains.

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Color

**XYZ(38.8285, 38.0669,
9.8586)**

Conversions

Conversions Part 1

Format	Color
Hex	CF9E3E
RGB	207, 158, 62
RGB Percent	81%, 62%, 24%
CMY	0.1882, 0.3804, 0.7569
CMYK	0.00, 0.24, 0.70, 0.19
HSL	40°, 60%, 53%
HSV	40°, 70%, 81%
XYZ	38.8285, 38.0669, 9.8586
YIQ	161.7070, 60.0200, -19.4680

Conversions

Conversions Part 2

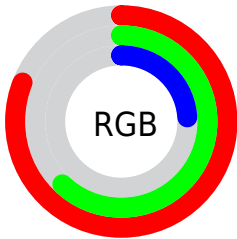
Format	Color
R_{YB}	136, 207, 62
Decimal	13606462
CIE _{Lab}	68.07, 8.63, 55.14
CIE _{LCh}	68, 55.811, 81.105
Yxy	38.0669, 0.4476, 0.4388
Android (android.graphics.Color)	4291796542 (0xFFCF9E3E)
YUV	161.7070, -49.1556, 39.7220
Hunter-Lab	61.6984, 4.3628, 33.7151

Details

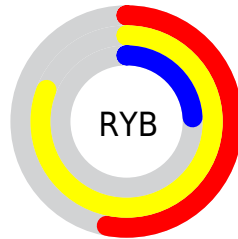
The XYZ color **38.8285, 38.0669, 9.8586** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **18.9333, 16.8974, 61.2948**, and the grayscale version is **34.4094, 36.2014, 39.4233**.

A 20% lighter version of the original color is **67.8207, 69.5619, 25.7718**, and **17.6521, 16.9050, 2.3326** is the 20% darker color. If you saturate the color by 10%, you get **37.2059, 35.5643, 7.0293**, and if you desaturate by 10%, it is **40.7370, 40.7956, 13.8509**.

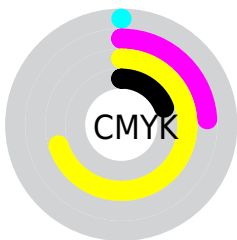
Distribution



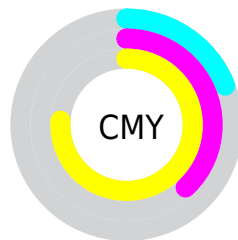
- Red (81%)
- Green (62%)
- Blue (24%)



- Red (53%)
- Yellow (81%)
- Blue (24%)



- Cyan (0%)
- Magenta (24%)
- Yellow (70%)
- Black (19%)





- Cyan (19%)
- Magenta (38%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8285, 38.0669, 9.8586 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 38.8285, 38.0669, 9.8586 by changing the saturation by 10% instead.


 38.8285, 38.0669,
9.8586


 38.8285, 38.0669,
9.8586


332.3805,
337.9069, 200.1079

 26.8065, 26.0346,
5.2009


 72.6720, 72.2107,
26.1328

 17.5638, 16.8495,
2.3048


 95.2242, 95.0909,
38.5865


 10.7350, 10.1273,
0.7339


 122.0171,
122.3560, 54.4759

 5.9549, 5.4834,
0.0000

 153.4161,
154.3902, 74.2196

 2.8581, 2.5336,
0.0000

 189.7866,
191.5780, 98.2361

 1.0792, 0.8934,
0.0000

231.4940,

 0.0076, 0.0000,

234.3038, 126.9439

0.0000

278.9035,
282.9520, 160.7617

■ 0.0000, 0.0000,
0.0000

■ 38.8285, 38.0669,
9.8586

■ 38.8285, 38.0669,
9.8586

■ 37.2059, 35.5643,
7.0293

■ 40.7370, 40.7956,
13.8509

■ 35.8395, 33.2696,
5.2230

■ 42.9519, 43.7557,
19.1201

■ 34.6855, 31.1723,
4.1887

■ 45.4945, 46.9589,
25.7691

■ 48.3830, 50.4144,
33.8893

■ 51.6345, 54.1304,
43.5645

■ 55.2644, 58.1149,
54.8720

■ 59.2873, 62.3751,
67.8839

■ 63.7172, 66.9182,
82.6681

■ 68.5670, 71.7509,
99.2887

Harmonies

Analogous

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



47.7263, 38.0669, 14.2364



38.8285, 38.0669, 9.8586



30.4895, 38.0669, 10.9054

Triad

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



38.8285, 38.0669, 9.8586



22.7188, 38.0669, 61.1889



50.8148, 38.0669, 79.3649

Complementary

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



38.8285, 38.0669, 9.8586



18.9333, 16.8974, 61.2948

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.



42.5411, 38.0669, 104.0814



38.8285, 38.0669, 9.8586



26.6669, 38.0669, 90.9945

Square

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



38.8285, 38.0669, 9.8586



22.0506, 38.0669, 34.4772



33.6575, 38.0669, 109.0271



55.3388, 38.0669, 49.3012

Rectangle

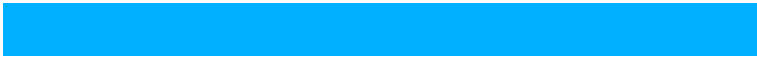
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.8285, 38.0669, 9.8586



26.2659, 38.0669, 14.8265



33.6575, 38.0669, 109.0271



48.3228, 38.0669, 89.0044

Sweetspot

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



38.8294, 38.0688, 9.8593



82.0925, 86.0120, 67.8115



30.4215, 17.8976, 17.4008



17.2510, 18.0478, 13.5504



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.



38.8294, 38.0688, 9.8593



58.4925, 55.1301, 9.6379



43.2502, 55.3187, 12.9559



12.4530, 13.0967, 12.4836



21.9441, 19.8212, 2.6693



1.2987, 1.2518, 0.1732

Inverse Universe

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



18.9333, 16.8974, 61.2948



24.8815, 19.5372, 97.0674



16.6193, 9.8240, 60.0514



11.4855, 12.0613, 14.9664



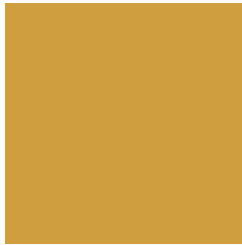
8.5525, 5.7516, 37.8519



0.5509, 0.4671, 2.1407

Previews

White Background



This preview shows how the XYZ color 38.8285, 38.0669, 9.8586 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 38.8285, 38.0669, 9.8586 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 38.8285, 38.0669, 9.8586

Background



This preview shows how black text looks on a background with the XYZ color 38.8285, 38.0669, 9.8586.



This preview shows how white text looks on a background with the XYZ color 38.8285, 38.0669,

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

38.8285, 38.0669, 9.8586

Protanopia

34.5692, 37.9569, 10.3549

Deuteranopia

38.8285, 38.0669, 9.8586



Tritanopia

44.5795, 37.9792, 37.7820

Trichromacy



Original Color

38.8285, 38.0669, 9.8586

Protanomaly

35.9867, 37.8907, 10.1196

Deuteranomaly

38.8285, 38.0669, 9.8586

Tritanomaly

41.7303, 37.7606, 24.1579

Monochromacy



Original Color

38.8285, 38.0669, 9.8586

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.8709, 36.4611, 24.9385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8285, 38.0669, 9.8586 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(207, 158, 62)` looks like.

```
.text, #text, p{  
    color:rgb(207, 158, 62)  
}
```

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(207, 158, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 158, 62) }
```

Border

The CSS property to change the border of an element to XYZ 38.8285, 38.0669, 9.8586 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(207, 158, 62) }
```


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

```
.border{ border-color:rgb(207, 158, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 158, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 158, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 158, 62);  
box-shadow:4px 4px 4px 4px rgb(207, 158,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8285, 38.0669, 9.8586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 158, 62) }
```

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

```
.background{ background-color: rgb(207,  
158, 62) }
```

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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