

Converting Colors

XYZ(38.8914, 32.7770, 16.8486)

Have a look what the booklet for
XYZ(38.8914, 32.7770, 16.8486)
contains.

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Color

**XYZ(38.9340, 32.8638,
16.8617)**

Conversions

Conversions Part 1

Format	Color
Hex	D68866
RGB	214, 136, 102
RGB Percent	84%, 53%, 40%
CMY	0.1608, 0.4666, 0.6000
CMYK	0.00, 0.36, 0.52, 0.16
HSL	18°, 58%, 62%
HSV	18°, 52%, 84%
XYZ	38.9340, 32.8638, 16.8617
YIQ	155.4460, 57.4020, 5.9620

Conversions

Conversions Part 2

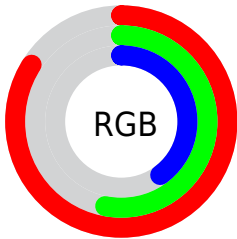
Format	Color
RYB	214, 151, 102
Decimal	14059622
CIELab	64.05, 26.29, 30.62
CIElCh	64, 40.356, 49.347
Yxy	32.8638, 0.4391, 0.3707
Android (android.graphics.Color)	4292249702 (0xFFD68866)
YUV	155.4460, -26.3489, 51.3519
Hunter-Lab	57.3270, 20.9073, 22.6898

Details

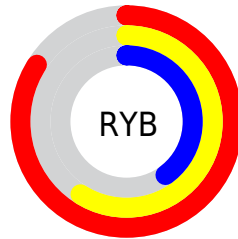
The XYZ color **38.9340, 32.8638, 16.8617** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **33.9374, 40.3204, 69.6120**, and the grayscale version is **31.4497, 33.0875, 36.0323**.

A 20% lighter version of the original color is **65.4032, 60.3868, 38.3457**, and **17.6247, 13.8313, 5.2308** is the 20% darker color. If you saturate the color by 10%, you get **36.0517, 28.5841, 11.3236**, and if you desaturate by 10%, it is **42.3837, 37.8400, 23.9409**.

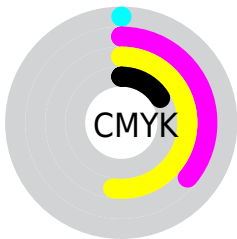
Distribution



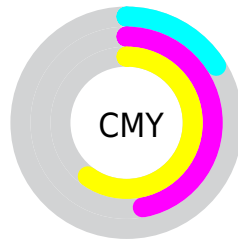
- Red (84%)
- Green (53%)
- Blue (40%)



- Red (84%)
- Yellow (59%)
- Blue (40%)



- Cyan (0%)
- Magenta (36%)
- Yellow (52%)
- Black (16%)





- Cyan (16%)
- Magenta (47%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9340, 32.8638, 16.8617 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 38.9340, 32.8638, 16.8617 by changing the saturation by 10% instead.


 38.9340, 32.8638,
16.8617


 38.9340, 32.8638,
16.8617

332.8218,
315.0356, 246.3910


 26.8889, 22.0221,
9.9750


 72.8322, 64.1628,
38.8752

 17.6259, 13.8732,
5.2770


 95.4160, 85.3890,
54.8392

 10.7798, 8.0325,
2.3491


 122.2434,
110.8454, 74.6659

 5.9852, 4.1158,
0.7585

 153.6797,
140.9165, 98.7740

 2.8766, 1.7385,
0.0000

190.0904,
175.9867, 127.5821

 1.0889, 0.4484,
0.0000

231.8407,

 0.0158, 0.0000,

216.4403, 161.5086

0.0000

279.2961,
262.6618, 200.9720

■ 0.0000, 0.0000,
0.0000

■ 38.9340, 32.8638,
16.8617

■ 38.9340, 32.8638,
16.8617

■ 36.0517, 28.5841,
11.3236

■ 42.3837, 37.8400,
23.9409

■ 33.7009, 24.9635,
7.2073

■ 46.4289, 43.5381,
32.6645

■ 31.8447, 21.9680,
4.3788

■ 51.0986, 49.9881,
43.1288

■ 30.4398, 19.5583,
2.6769

■ 56.4191, 57.2167,
55.4222

■ 29.6203, 18.0737,
1.9274

■ 62.4151, 65.2494,
69.6272

■ 69.1101, 74.1104,
85.8209

■ 76.5262, 83.8228,
104.0764

■ 81.5414, 93.0361,
108.2678

Harmonies

Analogous

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



42.7601, 32.8638, 26.3593



38.9340, 32.8638, 16.8617



33.3062, 32.8638, 12.9509

Triad

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



38.9340, 32.8638, 16.8617



21.6557, 32.8638, 30.2886



35.0094, 32.8638, 74.3206

Complementary

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



38.9340, 32.8638, 16.8617



33.9374, 40.3204, 69.6120

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.



29.2535, 32.8638, 76.3435



38.9340, 32.8638, 16.8617



21.9943, 32.8638, 47.2215

Square

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



38.9340, 32.8638, 16.8617



23.6371, 32.8638, 18.9823



24.6262, 32.8638, 65.2695



40.3106, 32.8638, 60.3743

Rectangle

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



38.9340, 32.8638, 16.8617



29.4896, 32.8638, 12.8879



24.6262, 32.8638, 65.2695



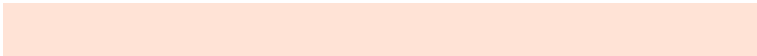
33.0501, 32.8638, 76.5495

Sweetspot

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



38.9348, 32.8655, 16.8623



80.7596, 80.8381, 75.0992



40.7620, 27.1107, 46.4786



16.9332, 16.8236, 15.2593



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.



38.9348, 32.8655, 16.8623



53.1175, 41.7573, 15.9326



48.8917, 52.7793, 20.1813



12.7276, 13.0295, 13.0048



17.9843, 11.0858, 1.1919



1.1570, 0.8132, 0.0960

Inverse Universe

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



33.9374, 40.3204, 69.6120



44.8273, 53.8687, 102.6428



24.8752, 22.1959, 66.5912



12.4592, 13.4418, 15.8754



13.9305, 16.1227, 40.8309



0.9115, 1.1151, 2.4865

Previews

White Background



This preview shows how the XYZ color 38.9340, 32.8638, 16.8617 looks on a white background.

Color Contrast Check

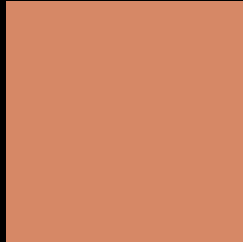
Large Text (above 18pt) WCAG AA × Fail

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 38.9340, 32.8638, 16.8617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

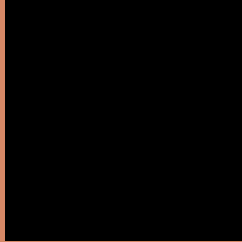
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.9340, 32.8638, 16.8617

Background



This preview shows how black text looks on a background with the XYZ color 38.9340, 32.8638, 16.8617.



This preview shows how white text looks on a background with the XYZ color 38.9340, 32.8638,

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

38.9340, 32.8638, 16.8617

Protanopia

30.8514, 33.2276, 19.5394

Deuteranopia

33.7386, 33.0871, 16.4126



Tritanopia

41.5393, 32.9074, 29.3617

Trichromacy



Original Color

38.9340, 32.8638, 16.8617

Protanomaly

33.4089, 32.8707, 18.4938

Deuteranomaly

35.2995, 32.7369, 16.5150

Tritanomaly

40.5372, 32.9063, 24.2937

Monochromacy



Original Color

38.9340, 32.8638, 16.8617

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

32.9383, 32.1875, 27.7693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9340, 32.8638, 16.8617 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(214, 136, 102)` looks like.

```
.text, #text, p{  
    color:rgb(214, 136, 102)  
}
```

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(214, 136, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 136, 102) }
```

Border

The CSS property to change the border of an element to XYZ 38.9340, 32.8638, 16.8617 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(214, 136, 102) }
```


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

```
.border{ border-color:rgb(214, 136, 102) }
```

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

Here you see how a box with a 4 pixel rgb(214, 136, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 136, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 136, 102);  
box-shadow:4px 4px 4px 4px rgb(214, 136,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9340, 32.8638, 16.8617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 136, 102) }
```

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

```
.background{ background-color: rgb(214,  
136, 102) }
```

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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