

Converting Colors

XYZ(38.5340, 37.6074, 16.4573)

Have a look what the booklet for
XYZ(38.5340, 37.6074, 16.4573)
contains.

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Color

**XYZ(38.5718, 37.5336,
16.5210)**

Conversions

Conversions Part 1

Format	Color
Hex	CA9D61
RGB	202, 157, 97
RGB Percent	79%, 62%, 38%
CMY	0.2078, 0.3843, 0.6196
CMYK	0.00, 0.22, 0.52, 0.21
HSL	34°, 50%, 59%
HSV	34°, 52%, 79%
XYZ	38.5718, 37.5336, 16.5210
YIQ	163.6150, 46.0800, -9.1200

Conversions

Conversions Part 2

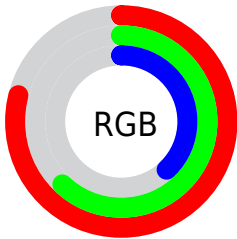
Format	Color
RYB	176, 202, 97
Decimal	13278561
CIELab	67.68, 9.51, 37.59
CIELCh	68, 38.779, 75.803
Yxy	37.5336, 0.4164, 0.4052
Android (android.graphics.Color)	4291468641 (0xFFCA9D61)
YUV	163.6150, -32.8412, 33.6636
Hunter-Lab	61.2647, 5.1692, 26.8968

Details

The XYZ color **38.5718, 37.5336, 16.5210** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **25.2630, 26.1506, 59.5931**, and the grayscale version is **35.2402, 37.0754, 40.3751**.

A 20% lighter version of the original color is **69.9591, 70.0185, 38.2614**, and **17.3646, 16.5412, 5.0739** is the 20% darker color. If you saturate the color by 10%, you get **36.3344, 34.3791, 11.7053**, and if you desaturate by 10%, it is **41.1546, 40.9952, 22.6357**.

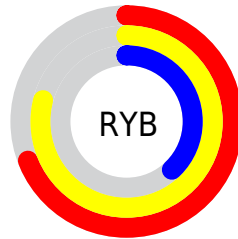
Distribution



Red (79%)

Green (62%)

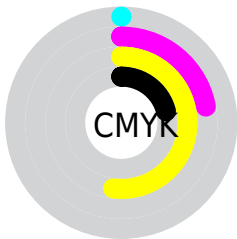
Blue (38%)



Red (69%)

Yellow (79%)

Blue (38%)

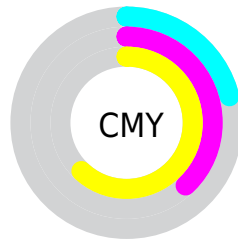


Cyan (0%)

Magenta (22%)

Yellow (52%)

Black (21%)



Cyan (21%)


Magenta (38%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5718, 37.5336, 16.5210 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 38.5718, 37.5336, 16.5210 by changing the saturation by 10% instead.


 38.5718, 37.5336,
16.5210


 38.5718, 37.5336,
16.5210

331.3051,
335.6150, 244.3465


 26.6060, 25.6209,
9.7352


 72.2820, 71.3927,
38.2796

 17.4126, 16.5403,
5.1205


 94.7571, 94.1079,
54.0896

 10.6262, 9.9073,
2.2581


 121.4660,
121.1927, 73.7447

 5.8815, 5.3375,
0.7076

 152.7741,
153.0316, 97.6635

 2.8131, 2.4466,
0.0000

189.0467,
190.0088, 126.2646

 1.0557, 0.8497,
0.0000

230.6491,

 0.0000, 0.0000,

232.5089, 159.9664

0.0000

277.9468,
280.9161, 199.1875

■ 38.5718, 37.5336,
16.5210

■ 38.5718, 37.5336,
16.5210

■ 36.3344, 34.3791,
11.7053

■ 41.1546, 40.9952,
22.6357

■ 34.4190, 31.5145,
8.0879

■ 44.0988, 44.7693,
30.1353

■ 32.8029, 28.9289,
5.5563

■ 47.4225, 48.8677,
39.1013

■ 31.4585, 26.6073,
3.9758

■ 51.1416, 53.3000,
49.6076

■ 30.5378, 24.9181,
3.2001

■ 55.2710, 58.0752,
61.7236

■ 59.8248, 63.2019,
75.5142

■ 64.8163, 68.6882,
91.0406

■ 69.6729, 74.3081,
105.2785

■ 72.0900, 79.1424,
106.0842

Harmonies

Analogous

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



44.3128, 37.5336, 21.5011



38.5718, 37.5336, 16.5210



32.6316, 37.5336, 16.6521

Triad

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



38.5718, 37.5336, 16.5210



25.7083, 37.5336, 50.5157



44.5769, 37.5336, 68.4159

Complementary

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



38.5718, 37.5336, 16.5210



25.2630, 26.1506, 59.5931

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.



38.9010, 37.5336, 81.4862



38.5718, 37.5336, 16.5210



28.2389, 37.5336, 69.3411

Square

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



38.5718, 37.5336, 16.5210



25.6413, 37.5336, 33.3064



32.9262, 37.5336, 81.8657



48.0335, 37.5336, 49.4947

Rectangle

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



38.5718, 37.5336, 16.5210



29.3574, 37.5336, 19.5431



32.9262, 37.5336, 81.8657



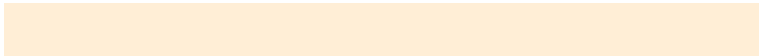
42.8386, 37.5336, 73.8460

Sweetspot

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



38.5727, 37.5354, 16.5217



83.8370, 86.9930, 76.1250



33.5521, 23.0743, 28.4742



17.6642, 18.2856, 15.5029



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.



38.5727, 37.5354, 16.5217



61.2164, 57.7681, 19.2087



45.7839, 54.7062, 19.4560



11.7356, 12.2601, 11.8273



19.7407, 16.2144, 2.0892



1.0928, 0.9853, 0.1326

Inverse Universe

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



25.2630, 26.1506, 59.5931



36.3612, 36.5400, 99.7442



20.6446, 15.7571, 57.8303



10.9904, 11.6213, 14.2343



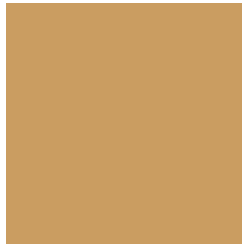
9.1150, 7.2541, 36.8760



0.5450, 0.5238, 1.9273

Previews

White Background



This preview shows how the XYZ color 38.5718, 37.5336, 16.5210 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 38.5718, 37.5336, 16.5210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

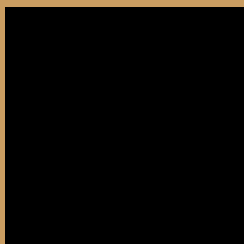
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.5718, 37.5336, 16.5210

Background



This preview shows how black text looks on a background with the XYZ color 38.5718, 37.5336, 16.5210.



This preview shows how white text looks on a background with the XYZ color 38.5718, 37.5336,

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

38.5718, 37.5336, 16.5210

Protanopia

34.5778, 37.5337, 17.4789

Deuteranopia

38.4719, 37.7343, 16.5650



Tritanopia

43.1929, 37.4780, 38.6757

Trichromacy



Original Color

38.5718, 37.5336, 16.5210

Protanomaly

35.9115, 37.4329, 17.1369

Deuteranomaly

38.4719, 37.7343, 16.5650

Tritanomaly

41.2693, 37.4133, 29.0911

Monochromacy



Original Color

38.5718, 37.5336, 16.5210

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.8386, 36.8482, 30.0345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5718, 37.5336, 16.5210 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(202, 157, 97)` looks like.

```
.text, #text, p{  
    color:rgb(202, 157, 97)  
}
```

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(202, 157, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 157, 97) }
```

Border

The CSS property to change the border of an element to XYZ 38.5718, 37.5336, 16.5210 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(202, 157, 97) }
```


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

```
.border{ border-color:rgb(202, 157, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 157, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 157, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 157, 97);  
box-shadow:4px 4px 4px 4px rgb(202, 157,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5718, 37.5336, 16.5210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 157, 97) }
```

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

```
.background{ background-color: rgb(202,  
157, 97) }
```

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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