

Converting Colors

XYZ(38.9819, 40.3325, 18.3008)

Have a look what the booklet for
XYZ(38.9819, 40.3325, 18.3008)
contains.

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Color

**XYZ(38.9819, 40.3325,
18.3008)**

Conversions

Conversions Part 1

Format	Color
Hex	C4A766
RGB	196, 167, 102
RGB Percent	77%, 65%, 40%
CMY	0.2314, 0.3451, 0.6000
CMYK	0.00, 0.15, 0.48, 0.23
HSL	41°, 44%, 58%
HSV	41°, 48%, 77%
XYZ	38.9819, 40.3325, 18.3008
YIQ	168.2610, 38.1490, -14.0670

Conversions

Conversions Part 2

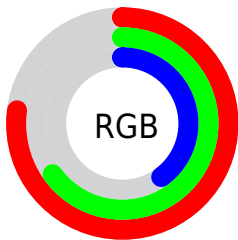
Format	Color
RYB	144, 196, 102
Decimal	12887910
CIELab	69.71, 2.07, 37.39
CIELCh	70, 37.452, 86.836
Yxy	40.3325, 0.3993, 0.4132
Android (android.graphics.Color)	4291077990 (0xFFC4A766)
YUV	168.2610, -32.6667, 24.3271
Hunter-Lab	63.5079, -1.5733, 27.3702

Details

The XYZ color **38.9819, 40.3325, 18.3008** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **23.5593, 23.0420, 55.4301**, and the grayscale version is **37.4910, 39.4435, 42.9539**.

A 20% lighter version of the original color is **72.8271, 75.6465, 41.3347**, and **17.5886, 18.0940, 5.9336** is the 20% darker color. If you saturate the color by 10%, you get **37.0410, 37.8266, 13.4121**, and if you desaturate by 10%, it is **41.2064, 43.0377, 24.4186**.

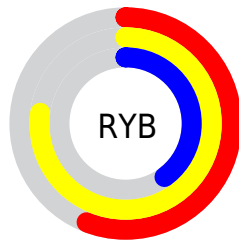
Distribution



Red (77%)

Green (65%)

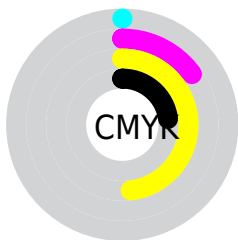
Blue (40%)



Red (56%)

Yellow (77%)

Blue (40%)

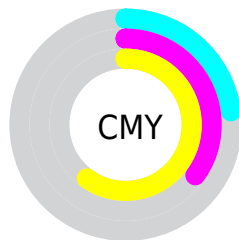


Cyan (0%)

Magenta (15%)

Yellow (48%)

Black (23%)



Cyan (23%)

Magenta (35%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9819, 40.3325, 18.3008 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 38.9819, 40.3325, 18.3008 by changing the saturation by 10% instead.

■ 38.9819, 40.3325,
18.3008

■ 38.9819, 40.3325,
18.3008

333.0220,
347.5230, 254.8539

■ 26.9263, 27.7979,
10.9945

■ 72.9049, 75.6696,
41.3701

■ 17.6542, 18.1734,
5.9490

■ 95.5030, 99.2408,
57.9701

■ 10.8002, 11.0745,
2.7458

■ 122.3461,
127.2597, 78.5051

■ 5.9989, 6.1170,
0.9664

■ 153.7993,
160.1107, 103.3936

■ 2.8851, 2.9163,
0.0000

190.2282,
198.1781, 133.0542

■ 1.0933, 1.0882,
0.0000

231.9981,

■ 0.0195, 0.0000,

241.8464, 167.9055

0.0000

279.4742,
291.4999, 208.3658

■ 0.0000, 0.0000,
0.0000

■ 38.9819, 40.3325,
18.3008

■ 38.9819, 40.3325,
18.3008

■ 37.0410, 37.8266,
13.4121

■ 41.2064, 43.0377,
24.4186

■ 35.3635, 35.5063,
9.6632

■ 43.7271, 45.9438,
31.8416

■ 33.9312, 33.3647,
6.9567


■ 46.5592, 49.0595,
40.6422


■ 32.7214, 31.3916,
5.1772


■ 49.7160, 52.3912,
50.8872


■ 31.7007, 29.5723,
4.1521


■ 53.2098, 55.9448,
62.6387

 31.5046, 29.2152,
3.9786

 57.0525, 59.7261,
75.9553

 61.2551, 63.7405,
90.8924

 65.2100, 67.7459,
104.2471

 66.7816, 70.8892,
104.7710

Harmonies

Analogous

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



45.0730, 40.3325, 21.4745



38.9819, 40.3325, 18.3008



33.3087, 40.3325, 20.3509

Triad

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



38.9819, 40.3325, 18.3008



28.8442, 40.3325, 60.7797



48.9465, 40.3325, 64.8305

Complementary

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



38.9819, 40.3325, 18.3008



23.5593, 23.0420, 55.4301

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.



43.8428, 40.3325, 80.9557



38.9819, 40.3325, 18.3008



32.3041, 40.3325, 78.2166

Square

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



38.9819, 40.3325, 18.3008



27.8322, 40.3325, 42.0981



37.6950, 40.3325, 86.4037



51.1942, 40.3325, 45.7840

Rectangle

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



38.9819, 40.3325, 18.3008



30.4441, 40.3325, 24.8046



37.6950, 40.3325, 86.4037



47.4833, 40.3325, 70.9465

Sweetspot

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



38.9829, 40.3344, 18.3016



86.4128, 91.0845, 80.2517



31.6654, 22.8985, 24.4975



18.2343, 19.2171, 16.3362



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.



38.9829, 40.3344, 18.3016



66.7927, 68.1108, 23.5639



40.6747, 49.9949, 20.0771



10.6428, 11.2170, 10.6660



20.3224, 18.9306, 2.5829



0.9369, 0.9356, 0.1312

Inverse Universe

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



23.5593, 23.0420, 55.4301



35.4711, 33.0432, 99.1162



22.3554, 17.4272, 54.4098



9.7761, 10.2435, 12.7468



7.5238, 4.8041, 34.0874



0.3876, 0.3326, 1.4937

Previews

White Background



This preview shows how the XYZ color 38.9819, 40.3325, 18.3008 looks on a white background.

Color Contrast Check

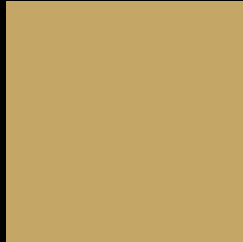
Large Text (above 18pt) WCAG AA × Fail

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 38.9819, 40.3325, 18.3008 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

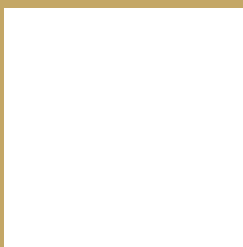
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.9819, 40.3325, 18.3008

Background



This preview shows how black text looks on a background with the XYZ color 38.9819, 40.3325, 18.3008.



This preview shows how white text looks on a background with the XYZ color 38.9819, 40.3325,

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

38.9819, 40.3325, 18.3008

Protanopia

37.0726, 40.1678, 18.6312

Deuteranopia

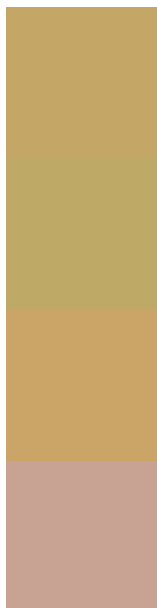
41.2775, 40.4391, 18.4619



Tritanopia

44.3774, 40.4331, 43.9935

Trichromacy



Original Color

38.9819, 40.3325, 18.3008

Protanomaly

37.8714, 40.3024, 18.6151

Deuteranomaly

40.3522, 40.2267, 18.4697

Tritanomaly

41.9281, 40.1953, 32.7428

Monochromacy



Original Color

38.9819, 40.3325, 18.3008

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.3968, 39.4839, 32.0357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9819, 40.3325, 18.3008 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(196, 167, 102)` looks like.

```
.text, #text, p{  
    color:rgb(196, 167, 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(196, 167, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 167, 102) }
```

Border

The CSS property to change the border of an element to XYZ 38.9819, 40.3325, 18.3008 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(196, 167, 102) }
```


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

```
.border{ border-color:rgb(196, 167, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 167, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 167, 102); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 167, 102); box-shadow:4px 4px 4px 4px rgb(196, 167, 102) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9819, 40.3325, 18.3008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 167, 102) }
```

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

```
.background{ background-color: rgb(196,  
167, 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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