

Converting Colors

XYZ(39.6841, 40.2988, 17.0431)

Have a look what the booklet for
XYZ(39.6841, 40.2988, 17.0431)
contains.

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Color

**XYZ(39.7002, 40.1908,
16.9744)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | C9A561 |
| RGB | 201, 165, 97 |
| RGB Percent | 79%, 65%, 38% |
| CMY | 0.2118, 0.3529, 0.6196 |
| CMYK | 0.00, 0.18, 0.52, 0.21 |
| HSL | 39°, 49%, 58% |
| HSV | 39°, 52%, 79% |
| XYZ | 39.7002, 40.1908, 16.9744 |
| YIQ | 168.0120, 43.2840, -13.5160 |

Conversions

Conversions Part 2

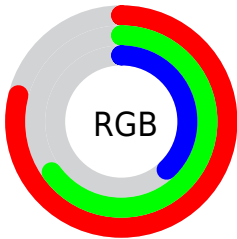
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 152, 201, 97 |
| Decimal | 13215073 |
| CIELab | 69.61, 4.77, 39.95 |
| CIELCh | 70, 40.238, 83.195 |
| Yxy | 40.1908, 0.4098, 0.4149 |
| Android (android.graphics.Color) | 4291405153 (0xFFC9A561) |
| YUV | 168.0120, -35.0089, 28.9305 |
| Hunter-Lab | 63.3962, 0.8375, 28.5024 |

Details

The XYZ color **39.7002, 40.1908, 16.9744** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **23.8596, 23.5326, 58.5430**, and the grayscale version is **37.3778, 39.3243, 42.8242**.

A 20% lighter version of the original color is **72.2580, 74.6163, 39.0278**, and **18.1157, 18.0434, 5.3242** is the 20% darker color. If you saturate the color by 10%, you get **37.6586, 37.4221, 12.2414**, and if you desaturate by 10%, it is **42.0495, 43.1948, 22.9822**.

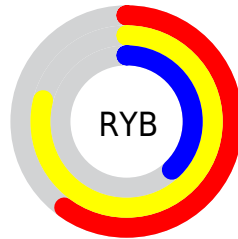
Distribution



Red (79%)

Green (65%)

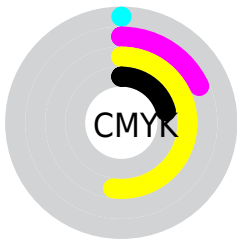
Blue (38%)



Red (60%)

Yellow (79%)

Blue (38%)

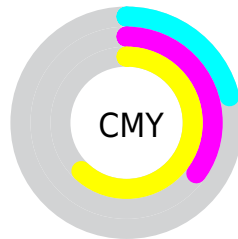


Cyan (0%)

Magenta (18%)

Yellow (52%)

Black (21%)



Cyan (21%)


Magenta (35%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.7002, 40.1908, 16.9744 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 39.7002, 40.1908, 16.9744 by changing the saturation by 10% instead.


 39.7002, 40.1908,
16.9744


 39.7002, 40.1908,
16.9744


336.0145,
346.9271, 247.0638

 27.4880, 27.6873,
10.0545


 73.9940, 75.4540,
39.0718

 18.0786, 18.0901,
5.3290


 96.8064, 98.9825,
55.0864

 11.1064, 11.0147,
2.3795


 123.8829,
126.9548, 74.9695

 6.2063, 6.0767,
0.7752

 155.5888,
159.7553, 99.1399

 3.0128, 2.8918,
0.0000

192.2896,
197.7684, 128.0160

 1.1605, 1.0755,
0.0000

234.3506,

 0.0749, 0.0000,

241.3784, 162.0163

0.0000

282.1371,
290.9699, 201.5593

■ 0.0000, 0.0000,
0.0000

■ 39.7002, 40.1908,
16.9744

■ 39.7002, 40.1908,
16.9744

■ 37.6586, 37.4221,
12.2414

■ 42.0495, 43.1948,
22.9822

■ 35.9023, 34.8736,
8.6841

■ 44.7210, 46.4371,
30.3491

■ 34.4103, 32.5366,
6.1924

■ 47.7317, 49.9275,
39.1548

■ 33.1564, 30.3987,
4.6341

■ 51.0962, 53.6737,
49.4722

■ 32.2618, 28.7664,
3.8521

■ 54.8285, 57.6827,
61.3694

■ 58.9415, 61.9612,
74.9099

■ 63.4476, 66.5158,
90.1541

■ 67.9040, 71.1708,
104.7661

■ 69.7753, 74.9134,
105.3899

Harmonies

Analogous

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



46.1870, 40.1908, 20.9040



39.7002, 40.1908, 16.9744



33.4864, 40.1908, 18.4181

Triad

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



39.7002, 40.1908, 16.9744



27.8260, 40.1908, 59.4255



49.1056, 40.1908, 68.8961

Complementary

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



39.7002, 40.1908, 16.9744



23.8596, 23.5326, 58.5430

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.



43.3368, 40.1908, 85.5918



39.7002, 40.1908, 16.9744



31.1916, 40.1908, 79.1288

Square

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



39.7002, 40.1908, 16.9744



27.0861, 40.1908, 39.6555



36.7384, 40.1908, 89.7888



52.0016, 40.1908, 48.1404

Rectangle

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



39.7002, 40.1908, 16.9744



30.2686, 40.1908, 22.5105



36.7384, 40.1908, 89.7888



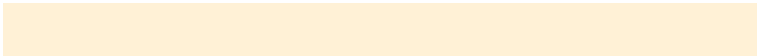
47.4087, 40.1908, 75.3834

Sweetspot

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



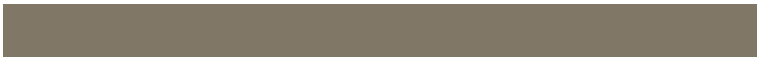
39.7012, 40.1927, 16.9752



84.8226, 88.9641, 76.4535



32.6236, 22.6718, 24.9925



17.8996, 18.7565, 15.5814



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.



39.7012, 40.1927, 16.9752



64.1122, 63.5596, 20.1740



43.1486, 53.0004, 19.2656



11.2029, 11.7750, 11.2451



20.3733, 18.2637, 2.4515



1.0304, 0.9962, 0.1380

Inverse Universe

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



23.8596, 23.5326, 58.5430



34.1358, 32.0892, 99.0024



21.5764, 16.2511, 57.2578



10.3519, 10.8778, 13.4715



8.0666, 5.5271, 35.3860



0.4497, 0.3972, 1.6981

Previews

White Background



This preview shows how the XYZ color 39.7002, 40.1908, 16.9744 looks on a white background.

Color Contrast Check

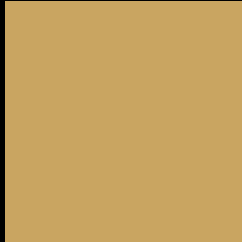
Large Text (above 18pt) WCAG AA × Fail

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 39.7002, 40.1908, 16.9744 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 39.7002, 40.1908, 16.9744

Background



This preview shows how black text looks on a background with the XYZ color 39.7002, 40.1908, 16.9744.



This preview shows how white text looks on a background with the XYZ color 39.7002, 40.1908,

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

39.7002, 40.1908, 16.9744

Protanopia

37.1204, 40.2151, 17.6102

Deuteranopia

40.8571, 39.9879, 17.1203



Tritanopia

44.9505, 40.2439, 42.9348

Trichromacy



Original Color

39.7002, 40.1908, 16.9744

Protanomaly

37.9455, 40.0936, 17.2942

Deuteranomaly

40.4786, 40.0554, 17.1533

Tritanomaly

42.7056, 40.1039, 31.4766

Monochromacy



Original Color

39.7002, 40.1908, 16.9744

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.5236, 39.2937, 31.1979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7002, 40.1908, 16.9744 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(201, 165, 97)` looks like.

```
.text, #text, p{  
    color:rgb(201, 165, 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(201, 165, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 165, 97) }
```

Border

The CSS property to change the border of an element to XYZ 39.7002, 40.1908, 16.9744 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(201, 165, 97) }
```


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

```
.border{ border-color:rgb(201, 165, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 165, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 165, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 165, 97);  
box-shadow:4px 4px 4px 4px rgb(201, 165,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7002, 40.1908, 16.9744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 165, 97) }
```

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

```
.background{ background-color: rgb(201,  
165, 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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