

Converting Colors

XYZ(39.8301, 38.8513, 16.8842)

Have a look what the booklet for
XYZ(39.8301, 38.8513, 16.8842)
contains.

XYZ(39.9522, 39.0026, 16.9778)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.9522, 39.0026,
16.9778)**

Conversions

Conversions Part 1

Format	Color
Hex	CDA062
RGB	205, 160, 98
RGB Percent	80%, 63%, 38%
CMY	0.1961, 0.3725, 0.6157
CMYK	0.00, 0.22, 0.52, 0.20
HSL	35°, 52%, 59%
HSV	35°, 52%, 80%
XYZ	39.9522, 39.0026, 16.9778
YIQ	166.3870, 46.7220, -9.7420

Conversions

Conversions Part 2

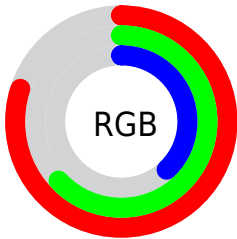
Format	Color
RYB	176, 205, 98
Decimal	13475938
CIELab	68.75, 9.23, 38.48
CIELCh	69, 39.570, 76.511
Yxy	39.0026, 0.4165, 0.4066
Android (android.graphics.Color)	4291666018 (0xFFCDA062)
YUV	166.3870, -33.7148, 33.8636
Hunter-Lab	62.4521, 4.9000, 27.5983

Details

The XYZ color **39.9522, 39.0026, 16.9778** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **25.8784, 26.6481, 61.5369**, and the grayscale version is **36.5761, 38.4809, 41.9057**.

A 20% lighter version of the original color is **71.0455, 72.0629, 39.0192**, and **18.2358, 17.4549, 5.3137** is the 20% darker color. If you saturate the color by 10%, you get **37.6627, 35.7794, 12.0355**, and if you desaturate by 10%, it is **42.5951, 42.5360, 23.2615**.

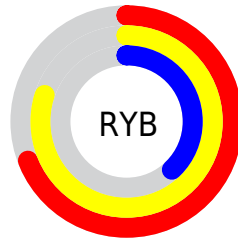
Distribution



Red (80%)

Green (63%)

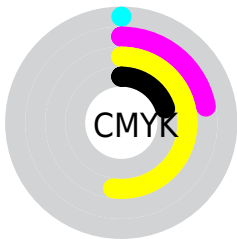
Blue (38%)



Red (69%)

Yellow (80%)

Blue (38%)

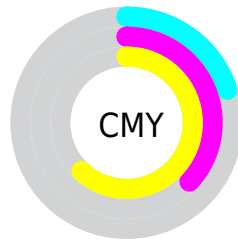


Cyan (0%)

Magenta (22%)

Yellow (52%)

Black (20%)



Cyan (20%)

Magenta (37%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.9522, 39.0026, 16.9778 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 39.9522, 39.0026, 16.9778 by changing the saturation by 10% instead.


 39.9522, 39.0026,
16.9778


 39.9522, 39.0026,
16.9778


337.0599,
341.9015, 247.0840

 27.6853, 26.7617,
10.0569


 74.3755, 73.6423,
39.0777

 18.2278, 17.3944,
5.3306


 97.2627, 96.8099,
55.0938

 11.2144, 10.5161,
2.3804


 124.4206,
124.3886, 74.9787

 6.2796, 5.7424,
0.7757

 156.2148,
156.7627, 99.1509

 3.0581, 2.6891,
0.0000

193.0104,
194.3167, 128.0290

 1.1845, 0.9717,
0.0000

235.1729,

 0.0941, 0.0000,

237.4349, 162.0316

0.0000

283.0676,
286.5017, 201.5770

■ 0.0000, 0.0000,
0.0000

■ 39.9522, 39.0026,
16.9778

■ 39.9522, 39.0026,
16.9778

■ 37.6627, 35.7794,
12.0355

■ 42.5951, 42.5360,
23.2615

■ 35.7024, 32.8488,
8.3299

■ 45.6079, 46.3850,
30.9761

■ 34.0479, 30.1996,
5.7441

■ 49.0092, 50.5615,
40.2059

■ 32.6703, 27.8166,
4.1375

■ 52.8155, 55.0753,
51.0278

■ 31.7491, 26.1239,
3.3691

■ 57.0422, 59.9356,
63.5137

■ 61.7037, 65.1509,
77.7309

■ 66.8138, 70.7297,
93.7430

■ 71.2375, 76.2208,
105.5652

■ 73.6819, 81.1096,
106.3800

Harmonies

Analogous

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



45.9945, 39.0026, 22.0328



39.9522, 39.0026, 16.9778



33.7515, 39.0026, 17.2347

Triad

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



39.9522, 39.0026, 16.9778



26.6792, 39.0026, 53.0462



46.5153, 39.0026, 70.9099

Complementary

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



39.9522, 39.0026, 16.9778



25.8784, 26.6481, 61.5369

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.



40.6009, 39.0026, 84.8751



39.9522, 39.0026, 16.9778



29.3831, 39.0026, 72.7366

Square

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



39.9522, 39.0026, 16.9778



26.5473, 39.0026, 34.9177



34.3314, 39.0026, 85.6247



50.0620, 39.0026, 51.0333

Rectangle

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



39.9522, 39.0026, 16.9778



30.3555, 39.0026, 20.3358



34.3314, 39.0026, 85.6247



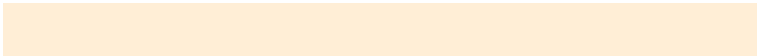
44.7100, 39.0026, 76.6688

Sweetspot

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



39.9531, 39.0045, 16.9786



83.9320, 87.1830, 76.1566



34.6067, 23.7396, 29.2913



17.6869, 18.3310, 15.5105



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.



39.9531, 39.0045, 16.9786



61.1409, 57.8041, 18.6070



47.2893, 56.5318, 19.9750



11.7432, 12.2753, 11.8299



19.8610, 16.4549, 2.1293



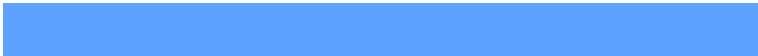
1.0987, 0.9970, 0.1345

Inverse Universe

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



25.8784, 26.6481, 61.5369



35.6057, 35.4255, 99.5689



21.2288, 16.1549, 59.7566



10.9830, 11.6064, 14.2318



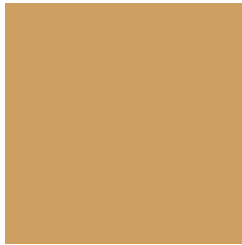
9.0315, 7.0869, 36.8482



0.5404, 0.5147, 1.9258

Previews

White Background



This preview shows how the XYZ color 39.9522, 39.0026, 16.9778 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 39.9522, 39.0026, 16.9778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

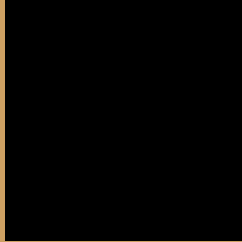
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.9522, 39.0026, 16.9778

Background



This preview shows how black text looks on a background with the XYZ color 39.9522, 39.0026, 16.9778.



This preview shows how white text looks on a background with the XYZ color 39.9522, 39.0026,

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

39.9522, 39.0026, 16.9778

Protanopia

36.1188, 39.1352, 17.9621

Deuteranopia

39.6773, 38.8608, 16.9649



Tritanopia

44.7930, 38.9857, 40.2861

Trichromacy



Original Color

39.9522, 39.0026, 16.9778

Protanomaly

37.4936, 39.0368, 17.6153

Deuteranomaly

39.6773, 38.8608, 16.9649

Tritanomaly

42.7495, 38.8914, 30.0646

Monochromacy



Original Color

39.9522, 39.0026, 16.9778

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.9056, 38.1773, 30.6231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9522, 39.0026, 16.9778 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(205, 160, 98)` looks like.

```
.text, #text, p{  
    color:rgb(205, 160, 98)  
}
```

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(205, 160, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 160, 98) }
```

Border

The CSS property to change the border of an element to XYZ 39.9522, 39.0026, 16.9778 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(205, 160, 98) }
```


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

```
.border{ border-color:rgb(205, 160, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 160, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 160, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 160, 98);  
box-shadow:4px 4px 4px 4px rgb(205, 160,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9522, 39.0026, 16.9778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 160, 98) }
```

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

```
.background{ background-color: rgb(205,  
160, 98) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor