

Converting Colors

XYZ(38.1097, 35.8330, 16.7714)

Have a look what the booklet for
XYZ(38.1097, 35.8330, 16.7714)
contains.

XYZ(38.2206, 35.8714, 16.7138)	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(38.2206, 35.8714,
16.7138)**

Conversions

Conversions Part 1

Format	Color
Hex	CC9763
RGB	204, 151, 99
RGB Percent	80%, 59%, 39%
CMY	0.2000, 0.4078, 0.6118
CMYK	0.00, 0.26, 0.51, 0.20
HSL	30°, 51%, 59%
HSV	30°, 51%, 80%
XYZ	38.2206, 35.8714, 16.7138
YIQ	160.9190, 48.2800, -4.9360

Conversions

Conversions Part 2

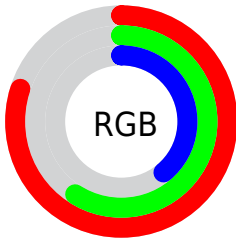
Format	Color
RYB	204, 202, 99
Decimal	13408099
CIELab	66.42, 13.79, 35.02
CIElCh	66, 37.636, 68.509
Yxy	35.8714, 0.4209, 0.3950
Android (android.graphics.Color)	4291598179 (0xFFCC9763)
YUV	160.9190, -30.5261, 37.7820
Hunter-Lab	59.8927, 9.0976, 25.3793

Details

The XYZ color **38.2206, 35.8714, 16.7138** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **27.2725, 29.4676, 61.3771**, and the grayscale version is **33.9610, 35.7296, 38.9096**.

A 20% lighter version of the original color is **68.6572, 67.1570, 38.6221**, and **17.1873, 15.5564, 5.2288** is the 20% darker color. If you saturate the color by 10%, you get **35.7807, 32.3601, 11.6816**, and if you desaturate by 10%, it is **41.0534, 39.7742, 23.0929**.

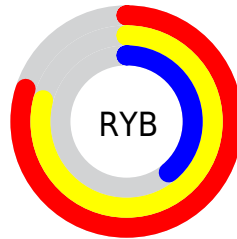
Distribution



Red (80%)

Green (59%)

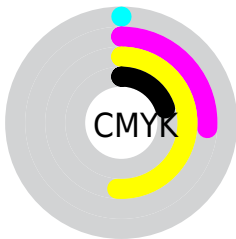
Blue (39%)



Red (80%)

Yellow (79%)

Blue (39%)

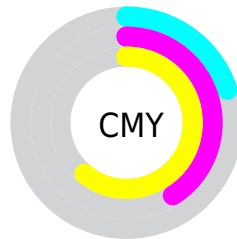


Cyan (0%)

Magenta (26%)

Yellow (51%)

Black (20%)



Cyan (20%)


Magenta (41%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2206, 35.8714, 16.7138 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 38.2206, 35.8714, 16.7138 by changing the saturation by 10% instead.


 38.2206, 35.8714,
16.7138


 38.2206, 35.8714,
16.7138


329.8299,
328.3981, 245.5055


 26.3319, 24.3349,
9.8709


 71.7479, 68.8335,
38.6169


 17.2061, 15.5822,
5.2089


 94.1172, 91.0279,
54.5142

 10.4778, 9.2290,
2.3095


 120.7107,
117.5438, 74.2666

 5.7815, 4.8909,
0.7365

 151.8939,
148.7654, 98.2928

 2.7521, 2.1834,
0.0000

188.0320,
185.0773, 127.0112

 1.0241, 0.7109,
0.0000

229.4905,

 0.0000, 0.0000,

226.8638, 160.8405

0.0000

276.6347,
274.5092, 200.1990

■ 38.2206, 35.8714,
16.7138

■ 38.2206, 35.8714,
16.7138

■ 35.7807, 32.3601,
11.6816

■ 41.0534, 39.7742,
23.0929

■ 33.7083, 29.2202,
7.8934

■ 44.2969, 44.0771,
30.9073

■ 31.9790, 26.4370,
5.2344

■ 47.9709, 48.7950,
40.2403

■ 30.5627, 23.9922,
3.5671

■ 52.0929, 53.9401,
51.1679

■ 29.5591, 22.1519,
2.7178

■ 56.6795, 59.5242,
63.7613

■ 61.7462, 65.5586,
78.0871

■ 67.3078, 72.0539,
94.2085

■ 72.1971, 78.5479,
105.9638

■ 75.2038, 84.5613,
106.9660

Harmonies

Analogous

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



43.2962, 35.8714, 22.7468



38.2206, 35.8714, 16.7138



32.5165, 35.8714, 15.7036

Triad

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



38.2206, 35.8714, 16.7138



24.4617, 35.8714, 43.8317



41.2962, 35.8714, 68.7221

Complementary

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



38.2206, 35.8714, 16.7138



27.2725, 29.4676, 61.3771

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.



35.7232, 35.8714, 78.4903



38.2206, 35.8714, 16.7138



26.2990, 35.8714, 61.7414

Square

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



38.2206, 35.8714, 16.7138



24.9734, 35.8714, 28.7560



30.2769, 35.8714, 75.6336



45.2036, 35.8714, 51.5660

Rectangle

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



38.2206, 35.8714, 16.7138



29.1800, 35.8714, 17.6420



30.2769, 35.8714, 75.6336



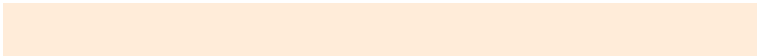
39.5324, 35.8714, 73.1670

Sweetspot

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



38.2215, 35.8731, 16.7145



83.6394, 86.0719, 77.6805



35.1343, 24.0695, 33.0398



17.5896, 18.0328, 15.7973



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.



38.2215, 35.8731, 16.7145



58.7627, 52.8606, 18.3908



48.3332, 56.0967, 20.0851



11.6635, 12.1160, 11.8033



18.6978, 14.1286, 1.7416



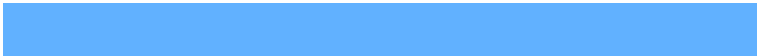
1.0405, 0.8807, 0.1152

Inverse Universe

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



27.2725, 29.4676, 61.3771



38.6313, 41.0802, 100.5009



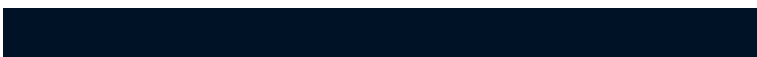
20.6744, 16.2716, 59.1777



11.0619, 11.7641, 14.2581



10.0038, 9.0316, 37.1723



0.5920, 0.6177, 1.9430

Previews

White Background



This preview shows how the XYZ color 38.2206, 35.8714, 16.7138 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 38.2206, 35.8714, 16.7138 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 38.2206, 35.8714, 16.7138

Background



This preview shows how black text looks on a background with the XYZ color 38.2206, 35.8714, 16.7138.



This preview shows how white text looks on a background with the XYZ color 38.2206, 35.8714,

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

38.2206, 35.8714, 16.7138

Protanopia

33.2730, 36.0500, 18.0366

Deuteranopia

36.6909, 36.0603, 16.5818



Tritanopia

42.1841, 35.8684, 35.7103

Trichromacy



Original Color

38.2206, 35.8714, 16.7138

Protanomaly

34.8748, 35.8521, 17.6524

Deuteranomaly

37.3134, 36.1352, 16.5634

Tritanomaly

40.5390, 35.8821, 27.7110

Monochromacy



Original Color

38.2206, 35.8714, 16.7138

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

34.7759, 35.2960, 29.0247

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2206, 35.8714, 16.7138 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(204, 151, 99)` looks like.

```
.text, #text, p{  
    color:rgb(204, 151, 99)  
}
```

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(204, 151, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 151, 99) }
```

Border

The CSS property to change the border of an element to XYZ 38.2206, 35.8714, 16.7138 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(204, 151, 99) }
```


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

```
.border{ border-color:rgb(204, 151, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 151, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 151, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 151, 99);  
box-shadow:4px 4px 4px 4px rgb(204, 151,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2206, 35.8714, 16.7138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 151, 99) }
```

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

```
.background{ background-color: rgb(204,  
151, 99) }
```

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