

Converting Colors

XYZ(37.9487, 35.4024, 19.6767)

Have a look what the booklet for
XYZ(37.9487, 35.4024, 19.6767)
contains.

XYZ(38.0779, 35.4950, 19.5962)	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(38.0779, 35.4950,
19.5962)**

Conversions

Conversions Part 1

Format	Color
Hex	CA966E
RGB	202, 150, 110
RGB Percent	79%, 59%, 43%
CMY	0.2078, 0.4117, 0.5686
CMYK	0.00, 0.26, 0.46, 0.21
HSL	26°, 46%, 61%
HSV	26°, 46%, 79%
XYZ	38.0779, 35.4950, 19.5962
YIQ	160.9880, 43.8320, -1.4160

Conversions

Conversions Part 2

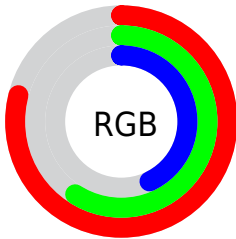
Format	Color
R _Y B	202, 181, 110
Decimal	13276782
CIE Lab	66.13, 14.58, 28.69
CIE LCh	66, 32.179, 63.066
Yxy	35.4950, 0.4087, 0.3810
Android (android.graphics.Color)	4291466862 (0xFFCA966E)
YUV	160.9880, -25.1371, 35.9675
Hunter-Lab	59.5777, 9.8238, 22.2028

Details

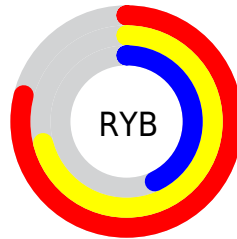
The XYZ color **38.0779, 35.4950, 19.5962** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **30.0109, 33.4186, 60.7456**, and the grayscale version is **33.9703, 35.7394, 38.9202**.

A 20% lighter version of the original color is **69.3545, 67.0544, 43.4698**, and **17.1854, 15.3825, 6.6208** is the 20% darker color. If you saturate the color by 10%, you get **35.3673, 31.6377, 13.8713**, and if you desaturate by 10%, it is **41.2185, 39.8110, 26.7020**.

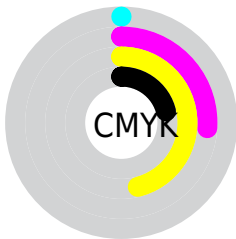
Distribution



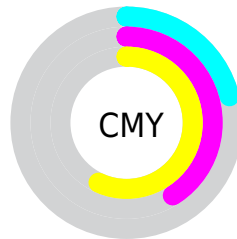
- Red (79%)
- Green (59%)
- Blue (43%)



- Red (79%)
- Yellow (71%)
- Blue (43%)



- Cyan (0%)
- Magenta (26%)
- Yellow (46%)
- Black (21%)





- Cyan (21%)
- Magenta (41%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0779, 35.4950, 19.5962 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 38.0779, 35.4950, 19.5962 by changing the saturation by 10% instead.


 38.0779, 35.4950,
19.5962


 38.0779, 35.4950,
19.5962


329.2291,
326.7479, 262.2522

 26.2206, 24.0444,
11.9207


 71.5307, 68.2519,
43.5892


 17.1223, 15.3666,
6.5678


 93.8569, 90.3270,
60.7437

 10.4176, 9.0771,
3.1190


 120.4034,
116.7124, 81.8951

 5.7411, 4.7915,
1.1557

 151.5357,
147.7925, 107.4617

 2.7274, 2.1254,
0.0000

187.6191,
183.9517, 137.8622

 1.0113, 0.6789,
0.0000

229.0188,

 0.0000, 0.0000,

225.5744, 173.5151

0.0000

276.1004,
273.0450, 214.8389

■ 38.0779, 35.4950,
19.5962

■ 38.0779, 35.4950,
19.5962

■ 35.3673, 31.6377,
13.8713

■ 41.2185, 39.8110,
26.7020

■ 33.0617, 28.2170,
9.4325

■ 44.8070, 44.5965,
35.2704

■ 31.1372, 25.2163,
6.1765


■ 48.8632, 49.8684,
45.3794


■ 29.5659, 22.6154,
3.9824


■ 53.4049, 55.6409,
57.1008


■ 28.3140, 20.3915,
2.7021

■ 58.4490, 61.9276,
70.5016

 27.8333, 19.5090,
2.2986

 64.0115, 68.7418,
85.6453

 70.1075, 76.0960,
102.5918

 73.9620, 82.8864,
106.7082

 77.4543, 89.8711,
107.8723

Harmonies

Analogous

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



42.0488, 35.4950, 25.9815



38.0779, 35.4950, 19.5962



33.2472, 35.4950, 17.8571

Triad

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



38.0779, 35.4950, 19.5962



25.3591, 35.4950, 40.0745



39.0094, 35.4950, 65.1995

Complementary

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



38.0779, 35.4950, 19.5962



30.0109, 33.4186, 60.7456

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.



34.2314, 35.4950, 71.3787



38.0779, 35.4950, 19.5962



26.5997, 35.4950, 54.8791

Square

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



38.0779, 35.4950, 19.5962



26.1819, 35.4950, 27.9001



29.7391, 35.4950, 67.2172



42.6213, 35.4950, 51.8527

Rectangle

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



38.0779, 35.4950, 19.5962



30.2594, 35.4950, 19.1223



29.7391, 35.4950, 67.2172



37.4712, 35.4950, 68.3098

Sweetspot

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



38.0788, 35.4967, 19.5969



83.7235, 85.7059, 79.3553



36.4666, 26.3221, 37.4035



17.5788, 17.9060, 16.1177



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.



38.0788, 35.4967, 19.5969



59.7936, 53.4389, 23.3076



46.8814, 53.1020, 22.5311



11.6069, 12.0027, 11.7844



17.9956, 12.7242, 1.5075



1.0034, 0.8064, 0.1028

Inverse Universe

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



30.0109, 33.4186, 60.7456



44.3825, 49.4381, 101.8110



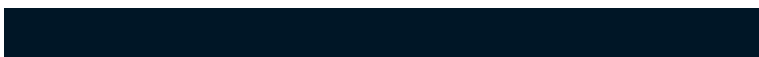
23.3522, 20.1012, 58.5260



11.1190, 11.8785, 14.2771



10.8340, 10.6920, 37.4490



0.6336, 0.7009, 1.9568

Previews

White Background



This preview shows how the XYZ color 38.0779, 35.4950, 19.5962 looks on a white background.

Color Contrast Check

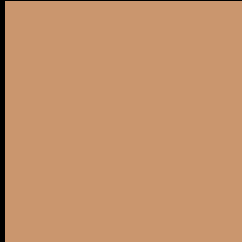
Large Text (above 18pt) WCAG AA × Fail

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 38.0779, 35.4950, 19.5962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

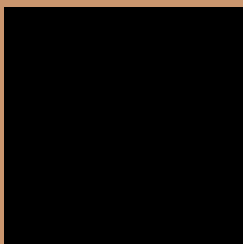
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.0779, 35.4950, 19.5962

Background



This preview shows how black text looks on a background with the XYZ color 38.0779, 35.4950, 19.5962.



This preview shows how white text looks on a background with the XYZ color 38.0779, 35.4950,

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

38.0779, 35.4950, 19.5962

Protanopia

33.2949, 35.7262, 21.3607

Deuteranopia

36.3082, 35.5528, 19.4167



Tritanopia

41.3433, 35.4349, 35.6709

Trichromacy



Original Color

38.0779, 35.4950, 19.5962

Protanomaly

34.8048, 35.4965, 20.6399

Deuteranomaly

36.9165, 35.6224, 19.3981

Tritanomaly

40.1159, 35.4010, 29.1448

Monochromacy



Original Color

38.0779, 35.4950, 19.5962

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

34.8440, 35.2970, 30.5677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0779, 35.4950, 19.5962 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, 150, 110)` looks like.

```
.text, #text, p{  
    color:rgb(202, 150, 110)  
}
```

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, 150, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 150, 110) }
```

Border

The CSS property to change the border of an element to XYZ 38.0779, 35.4950, 19.5962 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, 150, 110) }
```


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

```
.border{ border-color:rgb(202, 150, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 150, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 150, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 150, 110);  
box-shadow:4px 4px 4px 4px rgb(202, 150,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0779, 35.4950, 19.5962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 150, 110) }
```

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

```
.background{ background-color: rgb(202,  
150, 110) }
```

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