

Converting Colors

XYZ(35.8419, 31.9226, 16.0770)

Have a look what the booklet for
XYZ(35.8419, 31.9226, 16.0770)
contains.

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Color

**XYZ(35.8419, 31.9226,
16.0770)**

Conversions

Conversions Part 1

Format	Color
Hex	CA8B63
RGB	202, 139, 99
RGB Percent	79%, 55%, 39%
CMY	0.2078, 0.4549, 0.6118
CMYK	0.00, 0.31, 0.51, 0.21
HSL	23°, 49%, 59%
HSV	23°, 51%, 79%
XYZ	35.8419, 31.9226, 16.0770
YIQ	153.2770, 50.3880, 0.9160

Conversions

Conversions Part 2

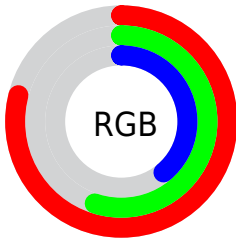
Format	Color
RYB	202, 164, 99
Decimal	13273955
CIELab	63.28, 19.51, 30.98
CIELCh	63, 36.613, 57.793
Yxy	31.9226, 0.4275, 0.3807
Android (android.graphics.Color)	4291464035 (0xFFCA8B63)
YUV	153.2770, -26.7586, 42.7301
Hunter-Lab	56.5001, 14.3597, 22.6792

Details

The XYZ color **35.8419, 31.9226, 16.0770** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **28.7261, 32.7563, 60.6857**, and the grayscale version is **30.4973, 32.0855, 34.9411**.

A 20% lighter version of the original color is **65.8150, 61.6019, 37.2757**, and **15.8470, 13.4035, 4.8839** is the 20% darker color. If you saturate the color by 10%, you get **33.3055, 28.2068, 11.0484**, and if you desaturate by 10%, it is **38.8236, 36.1425, 22.4462**.

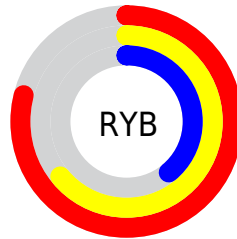
Distribution



Red (79%)

Green (55%)

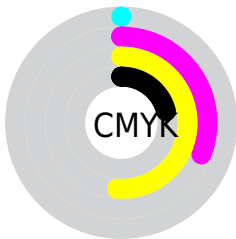
Blue (39%)



Red (79%)

Yellow (64%)

Blue (39%)

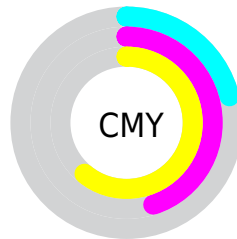


Cyan (0%)

Magenta (31%)

Yellow (51%)

Black (21%)



Cyan (21%)


Magenta (45%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8419, 31.9226, 16.0770 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 35.8419, 31.9226, 16.0770 by changing the saturation by 10% instead.


 35.8419, 31.9226,
16.0770


 35.8419, 31.9226,
16.0770


319.7123,
310.7665, 241.6569


 24.4817, 21.3024,
9.4237


 68.1134, 62.6897,
37.5005

 15.8180, 13.3452,
4.9180


 89.7555, 83.6054,
53.1077

 9.4855, 7.6667,
2.1413


 115.5554,
108.7218, 72.5368

 5.1188, 3.8824,
0.6402

 145.8787,
138.4231, 96.2061

 2.3526, 1.6080,
0.0000

181.0907,
173.0939, 124.5342

 0.8214, 0.3630,
0.0000

221.5567,

 0.0000, 0.0000,

213.1184, 157.9396

0.0000

267.6421,
258.8812, 196.8410

■ 35.8419, 31.9226,
16.0770

■ 35.8419, 31.9226,
16.0770

■ 33.3055, 28.2068,
11.0484

■ 38.8236, 36.1425,
22.4462

■ 31.1870, 24.9698,
7.2596

■ 42.2711, 40.8811,
30.2431

■ 29.4591, 22.1904,
4.5984

■ 46.2063, 46.1583,
39.5493

■ 28.0894, 19.8438,
2.9307

■ 50.6489, 51.9913,
50.4399

■ 27.1139, 18.0702,
2.0588

■ 55.6174, 58.3964,
62.9848

■ 61.1296, 65.3895,
77.2497

■ 67.2020, 72.9856,
93.2968

■ 72.9354, 80.8331,
106.3660

■ 76.6535, 88.2694,
107.6054

Harmonies

Analogous

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



39.8125, 31.9226, 23.2938



35.8419, 31.9226, 16.0770



30.7186, 31.9226, 13.6522

Triad

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



35.8419, 31.9226, 16.0770



21.6023, 31.9226, 33.6936



35.1198, 31.9226, 65.7840

Complementary

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



35.8419, 31.9226, 16.0770



28.7261, 32.7563, 60.6857

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.



29.9674, 31.9226, 70.8049



35.8419, 31.9226, 16.0770



22.5059, 31.9226, 49.4758

Square

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



35.8419, 31.9226, 16.0770



22.8151, 31.9226, 21.8959



25.4347, 31.9226, 64.1518



39.3640, 31.9226, 51.8712

Rectangle

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



35.8419, 31.9226, 16.0770



27.4579, 31.9226, 14.3698



25.4347, 31.9226, 64.1518



33.4202, 31.9226, 68.7123

Sweetspot

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



35.8427, 31.9242, 16.0776



82.4777, 83.7484, 77.2933



35.3868, 24.1076, 37.2121



17.3108, 17.4752, 15.7043



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.



35.8427, 31.9242, 16.0776



56.0610, 47.2641, 18.0856



45.0192, 50.2772, 19.1365



11.5637, 11.9163, 11.7700



17.5282, 11.7893, 1.3517



0.9774, 0.7544, 0.0941

Inverse Universe

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



28.7261, 32.7563, 60.6857



42.6673, 48.7429, 101.7673



21.4928, 18.2898, 58.2746



11.1632, 11.9669, 14.2918



11.5501, 12.1242, 37.6877



0.6682, 0.7701, 1.9684

Previews

White Background



This preview shows how the XYZ color 35.8419, 31.9226, 16.0770 looks on a white background.

Color Contrast Check

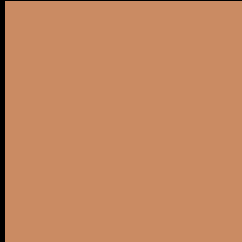
Large Text (above 18pt) WCAG AA × Fail

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 35.8419, 31.9226, 16.0770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

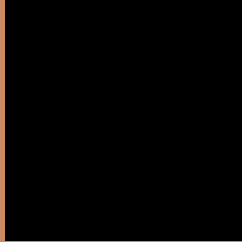
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.8419, 31.9226, 16.0770

Background



This preview shows how black text looks on a background with the XYZ color 35.8419, 31.9226, 16.0770.



This preview shows how white text looks on a background with the XYZ color 35.8419, 31.9226,

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

35.8419, 31.9226, 16.0770

Protanopia

29.6669, 31.9094, 17.9601

Deuteranopia

32.5990, 32.0448, 15.7764



Tritanopia

38.7991, 31.8800, 30.0951

Trichromacy



Original Color

35.8419, 31.9226, 16.0770

Protanomaly

31.6285, 31.7428, 17.2919

Deuteranomaly

33.6637, 31.9047, 15.9392

Tritanomaly

37.6716, 31.8394, 24.2388

Monochromacy



Original Color

35.8419, 31.9226, 16.0770

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.6181, 31.5312, 26.6100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8419, 31.9226, 16.0770 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, 139, 99)` looks like.

```
.text, #text, p{  
    color:rgb(202, 139, 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(202, 139, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 139, 99) }
```

Border

The CSS property to change the border of an element to XYZ 35.8419, 31.9226, 16.0770 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, 139, 99) }
```


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

```
.border{ border-color:rgb(202, 139, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 139, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 139, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 139, 99);  
box-shadow:4px 4px 4px 4px rgb(202, 139,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8419, 31.9226, 16.0770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 139, 99) }
```

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

```
.background{ background-color: rgb(202,  
139, 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](#).

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