

Converting Colors

XYZ(36.8898, 33.0994, 19.4000)

Have a look what the booklet for
XYZ(36.8898, 33.0994, 19.4000)
contains.

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Color

**XYZ(36.8994, 33.0503,
19.4735)**

Conversions

Conversions Part 1

Format	Color
Hex	CA8E6F
RGB	202, 142, 111
RGB Percent	79%, 56%, 44%
CMY	0.2078, 0.4431, 0.5647
CMYK	0.00, 0.30, 0.45, 0.21
HSL	20°, 46%, 61%
HSV	20°, 45%, 79%
XYZ	36.8994, 33.0503, 19.4735
YIQ	156.4060, 45.7110, 3.0790

Conversions

Conversions Part 2

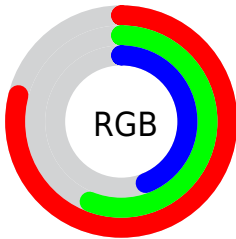
Format	Color
R _Y B	202, 158, 111
Decimal	13274735
CIE Lab	64.20, 19.05, 25.60
CIE LCh	64, 31.910, 53.334
Yxy	33.0503, 0.4126, 0.3696
Android (android.graphics.Color)	4291464815 (0xFFCA8E6F)
YUV	156.4060, -22.3852, 39.9859
Hunter-Lab	57.4894, 13.9633, 20.1591

Details

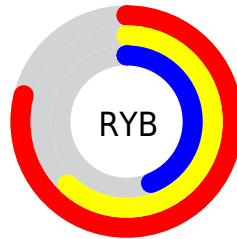
The XYZ color **36.8994, 33.0503, 19.4735** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **31.7785, 36.7681, 61.2991**, and the grayscale version is **31.8648, 33.5243, 36.5079**.

A 20% lighter version of the original color is **67.5908, 63.3842, 43.3223**, and **16.3153, 13.8608, 6.5181** is the 20% darker color. If you saturate the color by 10%, you get **34.0461, 28.9269, 13.6417**, and if you desaturate by 10%, it is **40.2427, 37.7511, 26.7100**.

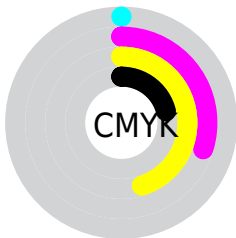
Distribution



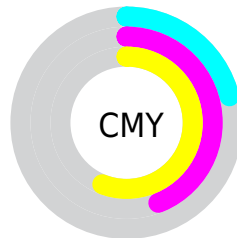
- Red (79%)
- Green (56%)
- Blue (44%)



- Red (79%)
- Yellow (62%)
- Blue (44%)



- Cyan (0%)
- Magenta (30%)
- Yellow (45%)
- Black (21%)





- Cyan (21%)
- Magenta (44%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8994, 33.0503, 19.4735 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 36.8994, 33.0503, 19.4735 by changing the saturation by 10% instead.


 36.8994, 33.0503,
19.4735


 36.8994, 33.0503,
19.4735


324.2379,
315.8763, 261.5597

 25.3029, 22.1650,
11.8326


 69.7329, 64.4541,
43.3800


 16.4328, 13.9782,
6.5087


 91.7006, 85.7413,
60.4827

 9.9237, 8.1055,
3.0830


 117.8561,
111.2646, 81.5765

 5.4103, 4.1625,
1.1372

 148.5647,
141.4084, 107.0798

 2.5272, 1.7649,
0.0000

184.1919,
176.5571, 137.4112

 0.9090, 0.4651,
0.0000

225.1029,

 0.0000, 0.0000,

217.0950, 172.9894

0.0000

271.6631,
263.4066, 214.2327

■ 36.8994, 33.0503,
19.4735

■ 36.8994, 33.0503,
19.4735

■ 34.0461, 28.9269,
13.6417

■ 40.2427, 37.7511,
26.7100

■ 31.6547, 25.3524,
9.1195

■ 44.0969, 43.0464,
35.4340

■ 29.6980, 22.3034,
5.8030


■ 48.4847, 48.9587,
45.7239


■ 28.1444, 19.7520,
3.5710


■ 53.4265, 55.5076,
57.6520


■ 26.9564, 17.6674,
2.2766


■ 58.9418, 62.7119,
71.2863

 26.4744, 16.7911,
1.8457

 65.0489, 70.5897,
86.6907

 71.7654, 79.1582,
103.9259

 76.1428, 87.2480,
107.4351

 78.1671, 91.2965,
108.1099

Harmonies

Analogous

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



40.0968, 33.0503, 26.9928



36.8994, 33.0503, 19.4735



32.4339, 33.0503, 16.4799

Triad

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



36.8994, 33.0503, 19.4735



23.5412, 33.0503, 33.1711



34.9864, 33.0503, 64.0508

Complementary

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



36.8994, 33.0503, 19.4735



31.7785, 36.7681, 61.2991

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.



30.4143, 33.0503, 66.8355



36.8994, 33.0503, 19.4735



24.0838, 33.0503, 46.7834

Square

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



36.8994, 33.0503, 19.4735



24.9396, 33.0503, 23.0653



26.4999, 33.0503, 59.8968



38.9203, 33.0503, 53.0070

Rectangle

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



36.8994, 33.0503, 19.4735



29.4495, 33.0503, 16.7807



26.4999, 33.0503, 59.8968



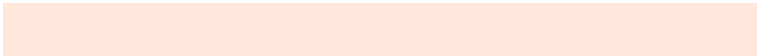
33.4625, 33.0503, 66.0780

Sweetspot

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



36.9002, 33.0519, 19.4741



82.7715, 83.8018, 79.0379



37.4561, 26.8915, 42.0787



17.3481, 17.4446, 16.0408



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.



36.9002, 33.0519, 19.4741



57.7827, 49.1796, 23.3694



44.9614, 49.1743, 22.1612



11.5196, 11.8281, 11.7553



17.1107, 10.9544, 1.2126



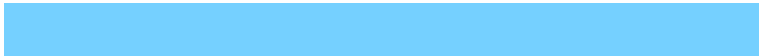
0.9529, 0.7055, 0.0860

Inverse Universe

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



31.7785, 36.7681, 61.2991



48.0029, 56.1756, 102.9207



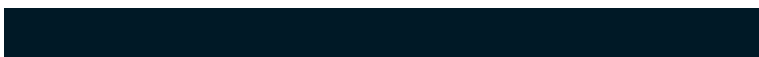
24.6987, 22.6085, 58.9391



11.2089, 12.0582, 14.3071



12.3583, 13.7405, 37.9571



0.7062, 0.8462, 1.9810

Previews

White Background



This preview shows how the XYZ color 36.8994, 33.0503, 19.4735 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 36.8994, 33.0503, 19.4735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

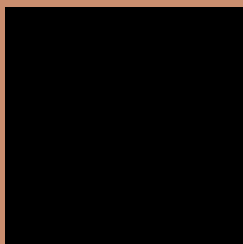
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.8994, 33.0503, 19.4735

Background



This preview shows how black text looks on a background with the XYZ color 36.8994, 33.0503, 19.4735.



This preview shows how white text looks on a background with the XYZ color 36.8994, 33.0503,

19.4735.

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

36.8994, 33.0503, 19.4735

Protanopia

31.0357, 33.2768, 21.6169

Deuteranopia

33.8116, 33.0598, 19.3510



Tritanopia

39.3890, 32.9770, 31.8929

Trichromacy



Original Color

36.8994, 33.0503, 19.4735

Protanomaly

32.9835, 33.0743, 20.8652

Deuteranomaly

34.8316, 32.8900, 19.2644

Tritanomaly

38.4375, 33.0238, 26.9026

Monochromacy



Original Color

36.8994, 33.0503, 19.4735

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

33.0338, 32.9109, 29.4223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8994, 33.0503, 19.4735 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, 142, 111)` looks like.

```
.text, #text, p{  
    color:rgb(202, 142, 111)  
}
```

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, 142, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 142, 111) }
```

Border

The CSS property to change the border of an element to XYZ 36.8994, 33.0503, 19.4735 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, 142, 111) }
```


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

```
.border{ border-color:rgb(202, 142, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 142, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 142, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 142, 111);  
box-shadow:4px 4px 4px 4px rgb(202, 142,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8994, 33.0503, 19.4735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 142, 111) }
```

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

```
.background{ background-color: rgb(202,  
142, 111) }
```

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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