

Converting Colors

XYZ(33.9904, 30.9682, 15.9903)

Have a look what the booklet for XYZ(33.9904, 30.9682, 15.9903) contains.

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Color

**XYZ(33.9904, 30.9682,
15.9903)**

Conversions

Conversions Part 1

Format	Color
Hex	C38B63
RGB	195, 139, 99
RGB Percent	76%, 55%, 39%
CMY	0.2353, 0.4549, 0.6118
CMYK	0.00, 0.29, 0.49, 0.24
HSL	25°, 44%, 58%
HSV	25°, 49%, 76%
XYZ	33.9904, 30.9682, 15.9903
YIQ	151.1840, 46.2160, -0.5680

Conversions

Conversions Part 2

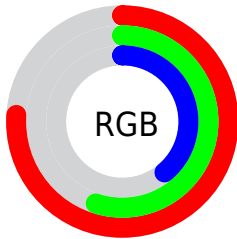
Format	Color
RYB	195, 168, 99
Decimal	12815203
CIELab	62.48, 16.62, 29.79
CIElCh	62, 34.117, 60.840
Yxy	30.9682, 0.4199, 0.3826
Android (android.graphics.Color)	4291005283 (0xFFC38B63)
YUV	151.1840, -25.7267, 38.4266
Hunter-Lab	55.6491, 11.6417, 21.9179

Details

The XYZ color **33.9904, 30.9682, 15.9903** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **26.7166, 30.0340, 56.0186**, and the grayscale version is **29.5878, 31.1287, 33.8991**.

A 20% lighter version of the original color is **65.4480, 61.4128, 37.2585**, and **14.8174, 12.8727, 4.8357** is the 20% darker color. If you saturate the color by 10%, you get **31.6064, 27.5162, 11.1385**, and if you desaturate by 10%, it is **36.7724, 34.8560, 22.0859**.

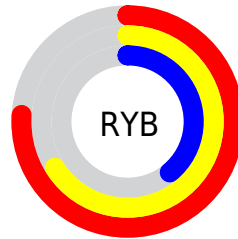
Distribution



Red (76%)

Green (55%)

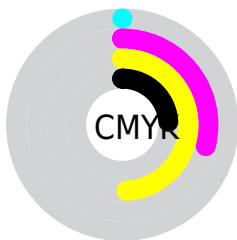
Blue (39%)



Red (76%)

Yellow (66%)

Blue (39%)

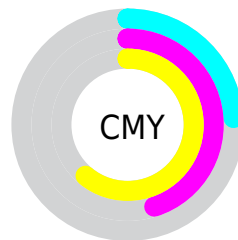


Cyan (0%)

Magenta (29%)

Yellow (49%)

Black (24%)



Cyan (24%)


Magenta (45%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9904, 30.9682, 15.9903 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 33.9904, 30.9682, 15.9903 by changing the saturation by 10% instead.


 33.9904, 30.9682,
15.9903


 33.9904, 30.9682,
15.9903


311.6759,
306.3918, 241.1282


 23.0491, 20.5746,
9.3630


 65.2631, 61.1900,
37.3479


 14.7506, 12.8134,
4.8787


 86.3252, 81.7870,
52.9153

 8.7297, 7.3002,
2.1188


 111.4917,
106.5540, 72.2999

 4.6210, 3.6505,
0.6269

 141.1278,
135.8753, 95.9201

 2.0591, 1.4801,
0.0000

175.5989,
170.1353, 124.1944

 0.6668, 0.2746,
0.0000

215.2704,

 0.0000, 0.0000,

209.7185, 157.5416

0.0000

260.5076,
255.0092, 196.3800

■ 33.9904, 30.9682,
15.9903

■ 33.9904, 30.9682,
15.9903

■ 31.6064, 27.5162,
11.1385

■ 36.7724, 34.8560,
22.0859

■ 29.5963, 24.4785,
7.4401

■ 39.9700, 39.1909,
29.5031

■ 27.9369, 21.8381,
4.7952


■ 43.6023, 43.9895,
38.3158


■ 26.6002, 19.5746,
3.0858


■ 47.6863, 49.2661,
48.5915


■ 25.5413, 17.6604,
2.1057


■ 52.2383, 55.0341,
60.3934

 25.4673, 17.5256,
2.0405

 57.2737, 61.3065,
73.7811

 62.8068, 68.0959,
88.8108

 68.8517, 75.4142,
105.5353

 72.1209, 81.9527,
106.6250

Harmonies

Analogous

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



37.7621, 30.9682, 22.2611



33.9904, 30.9682, 15.9903



29.3040, 30.9682, 14.1056

Triad

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



33.9904, 30.9682, 15.9903



21.3973, 30.9682, 34.0944



34.2399, 30.9682, 60.7010

Complementary

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



33.9904, 30.9682, 15.9903



26.7166, 30.0340, 56.0186

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.



29.5651, 30.9682, 66.1916



33.9904, 30.9682, 15.9903



22.4309, 30.9682, 48.5572

Square

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



33.9904, 30.9682, 15.9903



22.3221, 30.9682, 22.7558



25.3048, 30.9682, 61.2561



37.9165, 30.9682, 47.7359

Rectangle

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



33.9904, 30.9682, 15.9903



26.3783, 30.9682, 15.0580



25.3048, 30.9682, 61.2561



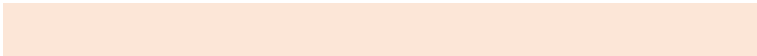
32.7177, 30.9682, 63.6140

Sweetspot

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



33.9912, 30.9697, 15.9909



80.9180, 82.4600, 75.6606



32.8840, 22.8925, 33.6960



17.3839, 17.6215, 15.7287



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.



33.9912, 30.9697, 15.9909



56.3403, 48.8863, 19.4317



42.5280, 48.0435, 18.8365



10.4103, 10.7521, 10.5886



16.6314, 11.5486, 1.3525



0.7866, 0.6349, 0.0811

Inverse Universe

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



26.7166, 30.0340, 56.0186



41.7900, 46.9629, 99.3320



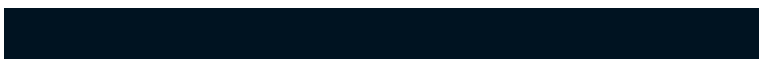
20.2538, 17.1084, 53.8643



10.0054, 10.7021, 12.8232



10.3787, 10.5138, 35.0390



0.5152, 0.5878, 1.5362

Previews

White Background



This preview shows how the XYZ color 33.9904, 30.9682, 15.9903 looks on a white background.

Color Contrast Check

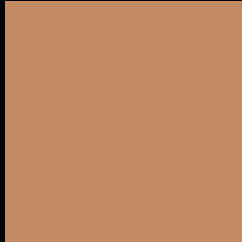
Large Text (above 18pt) WCAG AA × Fail

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 33.9904, 30.9682, 15.9903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

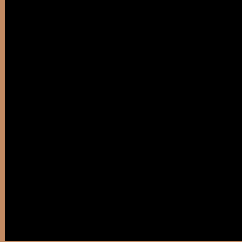
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.9904, 30.9682, 15.9903

Background



This preview shows how black text looks on a background with the XYZ color 33.9904, 30.9682, 15.9903.



This preview shows how white text looks on a background with the XYZ color 33.9904, 30.9682,

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

33.9904, 30.9682, 15.9903

Protanopia

28.8751, 31.0252, 17.5633

Deuteranopia

31.6214, 31.0777, 15.8872



Tritanopia

36.8986, 30.9003, 30.0062

Trichromacy



Original Color

33.9904, 30.9682, 15.9903

Protanomaly

30.5112, 30.9407, 16.9344

Deuteranomaly

32.5206, 31.0916, 15.8425

Tritanomaly

35.7834, 30.8660, 24.1504

Monochromacy



Original Color

33.9904, 30.9682, 15.9903

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.5349, 30.7489, 26.1556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9904, 30.9682, 15.9903 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(195, 139, 99)` looks like.

```
.text, #text, p{  
    color:rgb(195, 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(195, 139, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 139, 99) }
```

Border

The CSS property to change the border of an element to XYZ 33.9904, 30.9682, 15.9903 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(195, 139, 99) }
```


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

```
.border{ border-color:rgb(195, 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(195, 139, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 139, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 139, 99);  
box-shadow:4px 4px 4px 4px rgb(195, 139,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9904, 30.9682, 15.9903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 139, 99) }
```

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

```
.background{ background-color: rgb(195,  
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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