

Converting Colors

XYZ(35.8883, 32.6514, 18.3970)

Have a look what the booklet for
XYZ(35.8883, 32.6514, 18.3970)
contains.

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Color

**XYZ(35.8800, 32.5497,
18.3015)**

Conversions

Conversions Part 1

Format	Color
Hex	C78E6B
RGB	199, 142, 107
RGB Percent	78%, 56%, 42%
CMY	0.2196, 0.4431, 0.5804
CMYK	0.00, 0.29, 0.46, 0.22
HSL	23°, 45%, 60%
HSV	23°, 46%, 78%
XYZ	35.8800, 32.5497, 18.3015
YIQ	155.0530, 45.2070, 1.1990

Conversions

Conversions Part 2

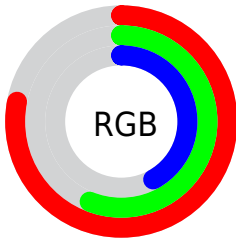
Format	Color
R_{YB}	199, 163, 107
Decimal	13078123
CIE _{Lab}	63.79, 17.42, 27.20
CIE _{LCh}	64, 32.301, 57.366
Yxy	32.5497, 0.4137, 0.3753
Android (android.graphics.Color)	4291268203 (0xFFC78E6B)
YUV	155.0530, -23.6901, 38.5415
Hunter-Lab	57.0523, 12.4164, 20.9173

Details

The XYZ color **35.8800, 32.5497, 18.3015** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **29.6469, 33.7985, 58.9938**, and the grayscale version is **31.2675, 32.8958, 35.8235**.

A 20% lighter version of the original color is **67.2379, 63.2431, 41.4642**, and **15.9443, 13.8097, 5.9629** is the 20% darker color. If you saturate the color by 10%, you get **33.2173, 28.7114, 12.8296**, and if you desaturate by 10%, it is **38.9882, 36.8933, 25.1111**.

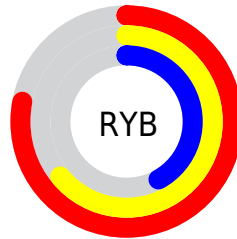
Distribution



Red (78%)

Green (56%)

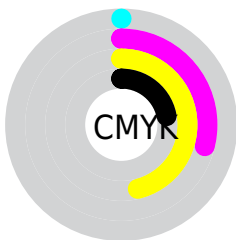
Blue (42%)



Red (78%)

Yellow (64%)

Blue (42%)

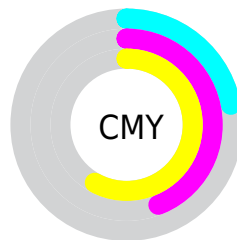


Cyan (0%)

Magenta (29%)

Yellow (46%)

Black (22%)



Cyan (22%)


Magenta (44%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8800, 32.5497, 18.3015 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 35.8800, 32.5497, 18.3015 by changing the saturation by 10% instead.


 35.8800, 32.5497,
18.3015


 35.8800, 32.5497,
18.3015

319.8761,
313.6158, 254.8579


 24.5112, 21.7817,
10.9950


 68.1719, 63.6719,
41.3713


 15.8401, 13.6966,
5.9493


 89.8257, 84.7948,
57.9716

 9.5012, 7.9099,
2.7460


 115.6386,
110.1382, 78.5069

 5.1292, 4.0374,
0.9665

 145.9758,
140.0865, 103.3959

 2.3588, 1.6945,
0.0000

181.2029,
175.0239, 133.0569

 0.8245, 0.4201,
0.0000

221.6850,

 0.0000, 0.0000,

215.3351, 167.9085

0.0000

267.7877,
261.4042, 208.3694

■ 35.8800, 32.5497,
18.3015

■ 35.8800, 32.5497,
18.3015

■ 33.2173, 28.7114,
12.8296

■ 38.9882, 36.8933,
25.1111

■ 30.9743, 25.3538,
8.6032

■ 42.5608, 41.7562,
33.3385

■ 29.1260, 22.4571,
5.5209


■ 46.6187, 47.1573,
43.0597


■ 27.6430, 19.9979,
3.4645

■ 51.1804, 53.1135,
54.3445

■ 26.4896, 17.9493,
2.2838

■ 56.2636, 59.6407,
67.2585

 26.1181, 17.2721,
1.9573

 61.8851, 66.7540,
81.8634

 68.0607, 74.4681,
98.2177

 72.9494, 82.0547,
106.6010

 76.7156, 89.5871,
107.8564

Harmonies

Analogous

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



39.3419, 32.5497, 25.1601



35.8800, 32.5497, 18.3015



31.3398, 32.5497, 15.8958

Triad

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



35.8800, 32.5497, 18.3015



23.0217, 32.5497, 34.3064



35.1197, 32.5497, 62.5540

Complementary

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



35.8800, 32.5497, 18.3015



29.6469, 33.7985, 58.9938

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.



30.5387, 32.5497, 66.6833



35.8800, 32.5497, 18.3015



23.8243, 32.5497, 48.1989

Square

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



35.8800, 32.5497, 18.3015



24.1624, 32.5497, 23.6119



26.4711, 32.5497, 60.8936



38.8737, 32.5497, 50.6791

Rectangle

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



35.8800, 32.5497, 18.3015



28.4081, 32.5497, 16.5561



26.4711, 32.5497, 60.8936



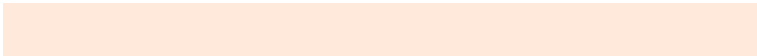
33.6128, 32.5497, 65.0036

Sweetspot

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



35.8808, 32.5513, 18.3021



83.1717, 84.6022, 79.1713



35.6267, 25.3840, 38.7466



17.4449, 17.6384, 16.0731



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.



35.8808, 32.5513, 18.3021



58.3438, 50.5393, 22.8243



43.9207, 48.6311, 20.9821



10.9591, 11.2874, 11.1638



16.8731, 11.2633, 1.2847



0.8686, 0.6727, 0.0841

Inverse Universe

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



29.6469, 33.7985, 58.9938



46.1227, 52.9185, 102.3911



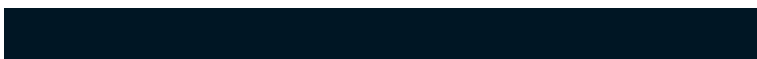
23.0010, 20.5068, 56.7785



10.5946, 11.3633, 13.5524



11.2926, 11.9791, 36.4614



0.6030, 0.7038, 1.7492

Previews

White Background



This preview shows how the XYZ color 35.8800, 32.5497, 18.3015 looks on a white background.

Color Contrast Check

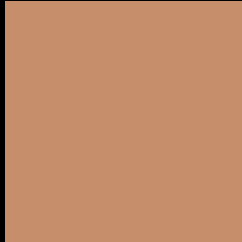
Large Text (above 18pt) WCAG AA × Fail

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 35.8800, 32.5497, 18.3015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

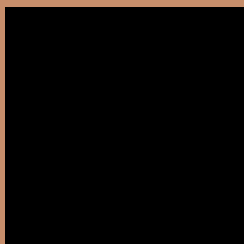
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.8800, 32.5497, 18.3015

Background



This preview shows how black text looks on a background with the XYZ color 35.8800, 32.5497, 18.3015.



This preview shows how white text looks on a background with the XYZ color 35.8800, 32.5497,

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

35.8800, 32.5497, 18.3015

Protanopia

30.5823, 32.8280, 20.0538

Deuteranopia

33.1990, 32.5347, 18.1657



Tritanopia

38.8407, 32.6944, 31.8673

Trichromacy



Original Color

35.8800, 32.5497, 18.3015

Protanomaly

32.3112, 32.5222, 19.3263

Deuteranomaly

34.1156, 32.5455, 18.1195

Tritanomaly

37.7546, 32.6877, 26.1493

Monochromacy



Original Color

35.8800, 32.5497, 18.3015

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

32.2884, 32.3056, 28.5786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8800, 32.5497, 18.3015 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(199, 142, 107)` looks like.

```
.text, #text, p{  
    color:rgb(199, 142, 107)  
}
```

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(199, 142, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 142, 107) }
```

Border

The CSS property to change the border of an element to XYZ 35.8800, 32.5497, 18.3015 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(199, 142, 107) }
```


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

```
.border{ border-color:rgb(199, 142, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 142, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 142, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 142, 107);  
box-shadow:4px 4px 4px 4px rgb(199, 142,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8800, 32.5497, 18.3015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 142, 107) }
```

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

```
.background{ background-color: rgb(199,  
142, 107) }
```

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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