

Converting Colors

XYZ(33.6640, 27.6827, 16.8595)

Have a look what the booklet for
XYZ(33.6640, 27.6827, 16.8595)
contains.

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Color

**XYZ(33.8448, 27.8527,
16.9569)**

Conversions

Conversions Part 1

Format	Color
Hex	C97C69
RGB	201, 124, 105
RGB Percent	79%, 49%, 41%
CMY	0.2118, 0.5137, 0.5882
CMYK	0.00, 0.38, 0.48, 0.21
HSL	12°, 47%, 60%
HSV	12°, 48%, 79%
XYZ	33.8448, 27.8527, 16.9569
YIQ	144.8570, 51.9910, 10.4150

Conversions

Conversions Part 2

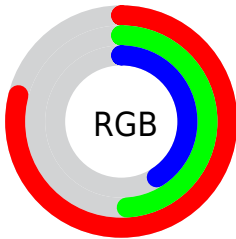
Format	Color
R_{YB}	201, 129, 105
Decimal	13204585
CIE Lab	59.76, 27.86, 23.01
CIE LCh	60, 36.136, 39.550
Yxy	27.8527, 0.4303, 0.3541
Android (android.graphics.Color)	4291394665 (0xFFC97C69)
YUV	144.8570, -19.6495, 49.2374
Hunter-Lab	52.7757, 22.1139, 17.8930

Details

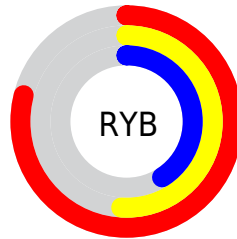
The XYZ color **33.8448, 27.8527, 16.9569** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **33.0954, 40.6743, 61.3647**, and the grayscale version is **26.9187, 28.3206, 30.8411**.

A 20% lighter version of the original color is **62.9629, 55.1046, 38.7702**, and **14.7141, 11.1323, 5.3762** is the 20% darker color. If you saturate the color by 10%, you get **31.0735, 23.7726, 11.5246**, and if you desaturate by 10%, it is **37.1920, 32.6938, 23.7862**.

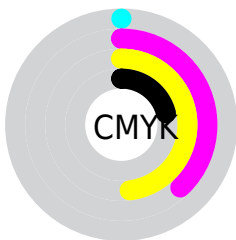
Distribution



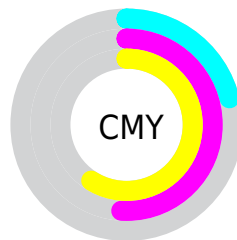
- Red (79%)
- Green (49%)
- Blue (41%)



- Red (79%)
- Yellow (51%)
- Blue (41%)



- Cyan (0%)
- Magenta (38%)
- Yellow (48%)
- Black (21%)





- Cyan (21%)
- Magenta (51%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8448, 27.8527, 16.9569 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 33.8448, 27.8527, 16.9569 by changing the saturation by 10% instead.


 33.8448, 27.8527,
16.9569


 33.8448, 27.8527,
16.9569


311.0376,
291.7624, 246.9594


 22.9367, 18.2147,
10.0421


 65.0381, 56.2492,
39.0413


 14.6672, 11.1042,
5.3209


 86.0541, 75.7764,
55.0480

 8.6710, 6.1370,
2.3748


 111.1701, 99.3688,
74.9224

 4.5826, 2.9285,
0.7726

 140.7514,
127.4108, 99.0831

 2.0367, 1.0945,
0.0000

175.1635,
160.2868, 127.9486

 0.6545, 0.0000,
0.0000

214.7716,

 0.0000, 0.0000,

198.3811, 161.9375

0.0000

259.9412,
242.0782, 201.4682

■ 33.8448, 27.8527,
16.9569

■ 33.8448, 27.8527,
16.9569

■ 31.0735, 23.7726,
11.5246

■ 37.1920, 32.6938,
23.7862

■ 28.8424, 20.4103,
7.3903

■ 41.1436, 38.3280,
32.0990

■ 27.1151, 17.7244,
4.4446


■ 45.7289, 44.7904,
41.9764


■ 25.8494, 15.6678,
2.5591


■ 50.9745, 52.1129,
53.4933

■ 24.9905, 14.1844,
1.5500


■ 56.9054, 60.3257,
66.7199

 24.8391, 13.9210,
1.3779

 63.5454, 69.4573,
81.7221

 70.9172, 79.5353,
98.5623

 77.2538, 89.8706,
107.8828

 77.8973, 91.1575,
108.0973

Harmonies

Analogous

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



36.1206, 27.8527, 26.3395



33.8448, 27.8527, 16.9569



29.6642, 27.8527, 12.3277

Triad

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



33.8448, 27.8527, 16.9569



19.0625, 27.8527, 22.3551



27.9583, 27.8527, 62.5371

Complementary

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



33.8448, 27.8527, 16.9569



33.0954, 40.6743, 61.3647

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.



23.5196, 27.8527, 60.5536



33.8448, 27.8527, 16.9569



18.7174, 27.8527, 34.6976

Square

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



33.8448, 27.8527, 16.9569



21.2618, 27.8527, 14.7642



20.2581, 27.8527, 49.3439



32.4732, 27.8527, 54.1702

Rectangle

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



33.8448, 27.8527, 16.9569



26.5422, 27.8527, 11.4779



20.2581, 27.8527, 49.3439



26.4042, 27.8527, 63.1027

Sweetspot

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



33.8455, 27.8541, 16.9574



81.3621, 80.9830, 78.5681



37.7279, 25.9564, 48.0399



17.0079, 16.7644, 15.9274



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.



33.8455, 27.8541, 16.9574



53.1849, 40.6772, 19.7005



41.1246, 42.4124, 19.3838



10.8011, 10.9713, 11.1112



15.6701, 8.8574, 0.8837



0.7938, 0.5231, 0.0591

Inverse Universe

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



33.0954, 40.6743, 61.3647



51.6947, 65.0281, 104.4348



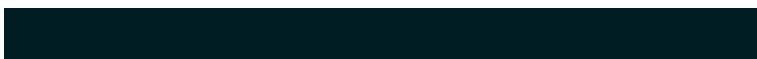
25.0884, 24.6603, 58.6957



10.7615, 11.6970, 13.6080



14.7306, 18.8551, 37.6074



0.7443, 0.9864, 1.7963

Previews

White Background



This preview shows how the XYZ color 33.8448, 27.8527, 16.9569 looks on a white background.

Color Contrast Check

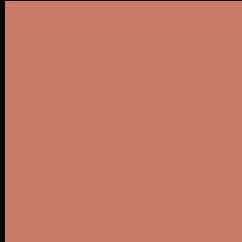
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.8448, 27.8527, 16.9569 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 × Fail

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

XYZ 33.8448, 27.8527, 16.9569

Background



This preview shows how black text looks on a background with the XYZ color 33.8448, 27.8527, 16.9569.



This preview shows how white text looks on a background with the XYZ color 33.8448, 27.8527,

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

33.8448, 27.8527, 16.9569

Protanopia

26.3369, 28.0314, 19.9421

Deuteranopia

28.5000, 27.9069, 16.4548



Tritanopia

35.4284, 27.9562, 24.2977

Trichromacy



Original Color

33.8448, 27.8527, 16.9569

Protanomaly

28.6095, 27.6969, 18.8771

Deuteranomaly

30.3641, 27.8216, 16.6017

Tritanomaly

34.7068, 27.8317, 21.3121

Monochromacy



Original Color

33.8448, 27.8527, 16.9569

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

28.4920, 27.5024, 24.9259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8448, 27.8527, 16.9569 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(201, 124, 105)` looks like.

```
.text, #text, p{  
    color:rgb(201, 124, 105)  
}
```

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(201, 124, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 124, 105) }
```

Border

The CSS property to change the border of an element to XYZ 33.8448, 27.8527, 16.9569 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(201, 124, 105) }
```


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

```
.border{ border-color:rgb(201, 124, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 124, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 124, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 124, 105);  
box-shadow:4px 4px 4px 4px rgb(201, 124,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8448, 27.8527, 16.9569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 124, 105) }
```

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

```
.background{ background-color: rgb(201,  
124, 105) }
```

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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