

Converting Colors

XYZ(33.5784, 27.2728, 16.1682)

Have a look what the booklet for
XYZ(33.5784, 27.2728, 16.1682)
contains.

XYZ(33.7149, 27.4349, 16.0889)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.7149, 27.4349,
16.0889)**

Conversions

Conversions Part 1

Format	Color
Hex	CA7A66
RGB	202, 122, 102
RGB Percent	79%, 48%, 40%
CMY	0.2078, 0.5215, 0.6000
CMYK	0.00, 0.40, 0.50, 0.21
HSL	12°, 49%, 60%
HSV	12°, 50%, 79%
XYZ	33.7149, 27.4349, 16.0889
YIQ	143.6400, 54.1000, 10.7400

Conversions

Conversions Part 2

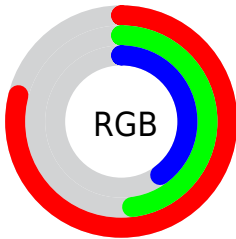
Format	Color
R_{YB}	202, 127, 102
Decimal	13269606
CIE Lab	59.37, 29.05, 24.22
CIE LCh	59, 37.823, 39.821
Yxy	27.4349, 0.4365, 0.3552
Android (android.graphics.Color)	4291459686 (0xFFCA7A66)
YUV	143.6400, -20.5285, 51.1817
Hunter-Lab	52.3783, 23.2348, 18.4529

Details

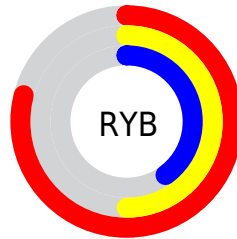
The XYZ color **33.7149, 27.4349, 16.0889** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **32.8672, 40.5431, 61.9702**, and the grayscale version is **26.4298, 27.8062, 30.2809**.

A 20% lighter version of the original color is **62.3197, 54.2199, 37.3179**, and **14.6840, 10.9303, 4.9503** is the 20% darker color. If you saturate the color by 10%, you get **31.0107, 23.4392, 10.8328**, and if you desaturate by 10%, it is **36.9945, 32.1909, 22.7414**.

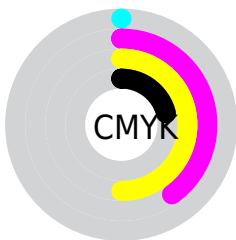
Distribution



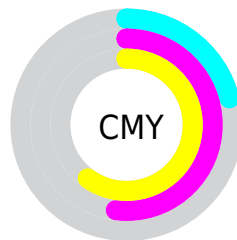
- Red (79%)
- Green (48%)
- Blue (40%)



- Red (79%)
- Yellow (50%)
- Blue (40%)



- Cyan (0%)
- Magenta (40%)
- Yellow (50%)
- Black (21%)





- Cyan (21%)
- Magenta (52%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7149, 27.4349, 16.0889 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 33.7149, 27.4349, 16.0889 by changing the saturation by 10% instead.


 33.7149, 27.4349,
16.0889


 33.7149, 27.4349,
16.0889


310.4673,
289.7567, 241.7293


 22.8365, 17.9001,
9.4320


 64.8373, 55.5810,
37.5214

 14.5929, 10.8783,
4.9234


 85.8120, 74.9610,
53.1341

 8.6186, 5.9851,
2.1444


 110.8829, 98.3916,
72.5693

 4.5484, 2.8360,
0.6420

 140.4153,
126.2572, 96.2453

 2.0168, 1.0467,
0.0000

174.7746,
158.9421, 124.5808

 0.6434, 0.0000,
0.0000

214.3261,

 0.0000, 0.0000,

196.8307, 157.9942

0.0000

259.4352,
240.3074, 196.9042

■ 33.7149, 27.4349,
16.0889

■ 33.7149, 27.4349,
16.0889

■ 31.0107, 23.4392,
10.8328

■ 36.9945, 32.1909,
22.7414

■ 28.8455, 20.1597,
6.8712

■ 40.8788, 37.7398,
30.8793

■ 27.1817, 17.5543,
4.0904


■ 45.3976, 44.1173,
40.5860


■ 25.9757, 15.5743,
2.3564


■ 50.5780, 51.3559,
51.9382


■ 25.1627, 14.1592,
1.4355


■ 56.4455, 59.4862,
65.0075

 25.1297, 14.1018,
1.3974

 63.0244, 68.5371,
79.8615

 70.3377, 78.5365,
96.5637

 76.9910, 88.9446,
107.7179

 78.1670, 91.2965,
108.1099

Harmonies

Analogous

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



36.1185, 27.4349, 25.6404



33.7149, 27.4349, 16.0889



29.3455, 27.4349, 11.4695

Triad

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



33.7149, 27.4349, 16.0889



18.4280, 27.4349, 21.7477



27.6605, 27.4349, 63.6467

Complementary

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



33.7149, 27.4349, 16.0889



32.8672, 40.5431, 61.9702

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.



23.0589, 27.4349, 61.6499



33.7149, 27.4349, 16.0889



18.0924, 27.4349, 34.5452

Square

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



33.7149, 27.4349, 16.0889



20.6679, 27.4349, 13.9838



19.6881, 27.4349, 49.8811



32.3538, 27.4349, 54.7161

Rectangle

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



33.7149, 27.4349, 16.0889



26.1046, 27.4349, 10.6444



19.6881, 27.4349, 49.8811



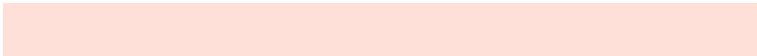
26.0476, 27.4349, 64.2815

Sweetspot

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



33.7156, 27.4363, 16.0894



80.4957, 79.7843, 76.6326



37.5520, 25.4369, 47.1865



16.8375, 16.5286, 15.5466



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.



33.7156, 27.4363, 16.0894



52.3815, 39.5003, 18.1072



41.5079, 43.0209, 18.6869



11.3911, 11.5711, 11.7125



16.2218, 9.1765, 0.9163



0.8916, 0.5829, 0.0655

Inverse Universe

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



32.8672, 40.5431, 61.9702



50.7220, 63.9940, 104.2865



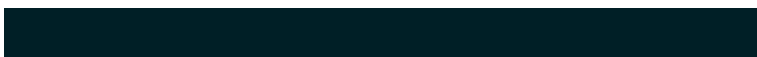
24.3916, 23.5918, 59.1450



11.3452, 12.3309, 14.3525



15.1918, 19.4076, 38.9016



0.8335, 1.1007, 2.0235

Previews

White Background



This preview shows how the XYZ color 33.7149, 27.4349, 16.0889 looks on a white background.

Color Contrast Check

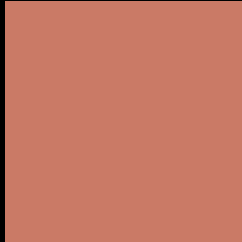
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.7149, 27.4349, 16.0889 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 33.7149, 27.4349, 16.0889

Background



This preview shows how black text looks on a background with the XYZ color 33.7149, 27.4349, 16.0889.



This preview shows how white text looks on a background with the XYZ color 33.7149, 27.4349,

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

33.7149, 27.4349, 16.0889

Protanopia

25.8286, 27.5649, 18.9982

Deuteranopia

27.9924, 27.4501, 15.6274



Tritanopia

35.2110, 27.3265, 23.4974

Trichromacy



Original Color

33.7149, 27.4349, 16.0889

Protanomaly

28.1653, 27.0686, 17.9276

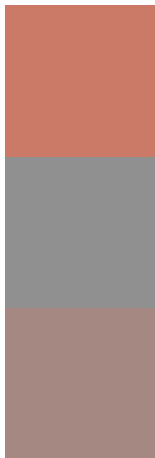
Deuteranomaly

29.8429, 27.3677, 15.7662

Tritanomaly

34.4954, 27.1982, 20.5712

Monochromacy



Original Color

33.7149, 27.4349, 16.0889

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

28.2837, 27.1926, 24.5269

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7149, 27.4349, 16.0889 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, 122, 102)` looks like.

```
.text, #text, p{  
    color:rgb(202, 122, 102)  
}
```

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, 122, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 122, 102) }
```

Border

The CSS property to change the border of an element to XYZ 33.7149, 27.4349, 16.0889 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, 122, 102) }
```


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

```
.border{ border-color:rgb(202, 122, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 122, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 122, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 122, 102);  
box-shadow:4px 4px 4px 4px rgb(202, 122,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7149, 27.4349, 16.0889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 122, 102) }
```

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

```
.background{ background-color: rgb(202,  
122, 102) }
```

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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