

# Converting Colors

XYZ(33.4250, 27.6882, 17.5360)

Have a look what the booklet for  
XYZ(33.4250, 27.6882, 17.5360)  
contains.

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# Color

**XYZ(33.4147, 27.6190,  
17.4798)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C77C6B
RGB	199, 124, 107
RGB Percent	78%, 49%, 42%
CMY	0.2196, 0.5137, 0.5804
CMYK	0.00, 0.38, 0.46, 0.22
HSL	11°, 45%, 60%
HSV	11°, 46%, 78%
XYZ	33.4147, 27.6190, 17.4798
YIQ	144.4870, 50.1570, 10.6130

# Conversions

## Conversions Part 2

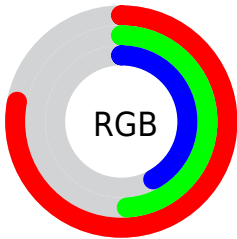
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 128, 107
Decimal	13073515
CIE <sub>Lab</sub>	59.54, 27.27, 21.55
CIE <sub>LCh</sub>	60, 34.757, 38.314
Yxy	27.6190, 0.4256, 0.3518
Android (android.graphics.Color)	4291263595 (0xFFC77C6B)
YUV	144.4870, -18.4811, 47.8079
Hunter-Lab	52.5538, 21.5246, 17.0673

# Details

The XYZ color **33.4147, 27.6190, 17.4798** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **33.0993, 40.7033, 60.1447**, and the grayscale version is **26.7646, 28.1585, 30.6646**.

A 20% lighter version of the original color is **63.1337, 55.1729, 39.6697**, and **14.3935, 10.9641, 5.4953** is the 20% darker color. If you saturate the color by 10%, you get **30.6174, 23.5115, 11.9630**, and if you desaturate by 10%, it is **36.7888, 32.4945, 24.3780**.

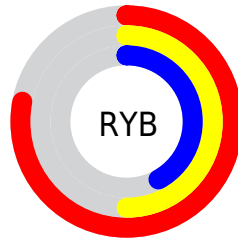
# Distribution



Red (78%)

Green (49%)

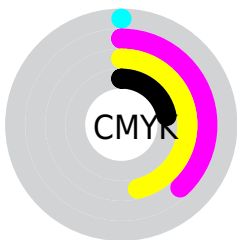
Blue (42%)



Red (78%)

Yellow (50%)

Blue (42%)

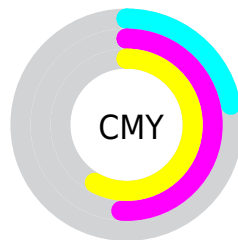


Cyan (0%)

Magenta (38%)

Yellow (46%)

Black (22%)



Cyan (22%)

Magenta (51%)

Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4147, 27.6190, 17.4798 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 33.4147, 27.6190, 17.4798 by changing the saturation by 10% instead.





 33.4147, 27.6190,  
17.4798


 33.4147, 27.6190,  
17.4798


309.1463,  
290.6418, 250.0592


 22.6051, 18.0387,  
10.4116


 64.3728, 55.8756,  
39.9508


 14.4213, 10.9777,  
5.5635


 85.2520, 75.3206,  
56.1907

 8.4979, 6.0519,  
2.5171


 110.2184, 98.8226,  
76.3248

 4.4696, 2.8766,  
0.8492

 139.6374,  
126.7661, 100.7719

 1.9711, 1.0677,  
0.0000

173.8743,  
159.5353, 129.9503

 0.6177, 0.0000,  
0.0000

213.2945,

 0.0000, 0.0000,

197.5148, 164.2786

0.0000

258.2634,  
241.0888, 204.1754

■ 33.4147, 27.6190,  
17.4798

■ 33.4147, 27.6190,  
17.4798

■ 30.6174, 23.5115,  
11.9630

■ 36.7888, 32.4945,  
24.3780

■ 28.3616, 20.1284,  
7.7322

■ 40.7680, 38.1704,  
32.7409

■ 26.6115, 17.4282,  
4.6827


■ 45.3811, 44.6822,  
42.6472


■ 25.3257, 15.3632,  
2.6920


■ 50.6546, 52.0620,  
54.1693


■ 24.4544, 13.8788,  
1.6054


■ 56.6134, 60.3402,  
67.3751

 24.2079, 13.4517,  
1.3205

 63.2810, 69.5458,  
82.3288

 70.6800, 79.7065,  
99.0909

 76.9751, 90.1061,  
107.9429

 77.3631, 90.8821,  
108.0723

# Harmonies

## Analogous

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



35.4785, 27.6190, 26.7239



33.4147, 27.6190, 17.4798



29.4815, 27.6190, 12.7901

# Triad

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



33.4147, 27.6190, 17.4798



19.1889, 27.6190, 22.0245



27.4854, 27.6190, 60.7384

# Complementary

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



33.4147, 27.6190, 17.4798



33.0993, 40.7033, 60.1447

# 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.



23.2656, 27.6190, 58.4493



33.4147, 27.6190, 17.4798



18.7807, 27.6190, 33.6896

# Square

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



33.4147, 27.6190, 17.4798



21.3767, 27.6190, 14.8616



20.1922, 27.6190, 47.6037



31.8152, 27.6190, 53.1936



# Rectangle

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



33.4147, 27.6190, 17.4798



26.4992, 27.6190, 11.8560



20.1922, 27.6190, 47.6037



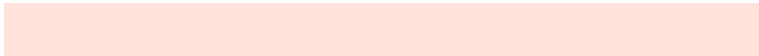
26.0044, 27.6190, 61.1268

# Sweetspot

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



33.4154, 27.6204, 17.4803



81.2345, 80.7279, 78.5256



37.2682, 26.0406, 47.3903



16.9772, 16.7030, 15.9172



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.



33.4154, 27.6204, 17.4803



53.7969, 41.4455, 21.3087



40.5568, 41.9032, 19.8608



10.7898, 10.9488, 11.1074



15.6137, 8.7446, 0.8649



0.7887, 0.5129, 0.0574



# Inverse Universe

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



33.0993, 40.7033, 60.1447



53.1280, 66.9291, 104.7262



25.1954, 24.8955, 57.5100



10.7736, 11.7213, 13.6121



15.0211, 19.4362, 37.7042



0.7557, 1.0093, 1.8001



# Previews

## White Background



This preview shows how the XYZ color 33.4147, 27.6190, 17.4798 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 33.4147, 27.6190, 17.4798 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 33.4147, 27.6190, 17.4798**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.4147, 27.6190, 17.4798.



This preview shows how white text looks on a background with the XYZ color 33.4147, 27.6190,



# 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

33.4147, 27.6190, 17.4798

### Protanopia

26.2625, 27.9798, 20.5395

### Deuteranopia

28.1647, 27.7225, 16.9632



## Tritanopia

34.9540, 27.7040, 24.6242

# Trichromacy



**Original Color**

33.4147, 27.6190, 17.4798

**Protanomaly**

28.5039, 27.6296, 19.4535

**Deuteranomaly**

29.9934, 27.6187, 17.1147

**Tritanomaly**

34.2918, 27.6036, 21.9330

# Monochromacy



**Original Color**

33.4147, 27.6190, 17.4798

**Achromatopsia**

26.5089, 27.8894, 30.3716

**Achromatomaly**

28.3522, 27.4225, 25.2715

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.4147, 27.6190, 17.4798 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, 124, 107)` looks like.

```
.text, #text, p{  
    color:rgb(199, 124, 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, 124, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 124, 107) }
```

## Border

The CSS property to change the border of an element to XYZ 33.4147, 27.6190, 17.4798 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, 124, 107) }
```



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

```
.border{ border-color:rgb(199, 124, 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, 124, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 124, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 124, 107);  
box-shadow:4px 4px 4px 4px rgb(199, 124,  
107) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.4147, 27.6190, 17.4798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 124, 107) }
```

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

```
.background{ background-color: rgb(199,  
124, 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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