

# Converting Colors

XYZ(36.5398, 33.7831, 18.7821)

Have a look what the booklet for  
XYZ(36.5398, 33.7831, 18.7821)  
contains.

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# Color

**XYZ(36.5388, 33.7826,  
18.7822)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C7926C
RGB	199, 146, 108
RGB Percent	78%, 57%, 42%
CMY	0.2196, 0.4274, 0.5765
CMYK	0.00, 0.27, 0.46, 0.22
HSL	25°, 45%, 60%
HSV	25°, 46%, 78%
XYZ	36.5388, 33.7826, 18.7822
YIQ	157.5150, 43.7860, -0.5820

# Conversions

## Conversions Part 2

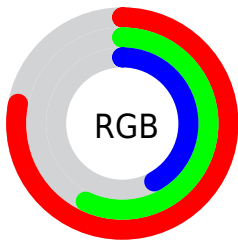
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	199, 173, 108
Decimal	13079148
CIE Lab	64.79, 15.33, 27.96
CIE LCh	65, 31.885, 61.267
Yxy	33.7826, 0.4101, 0.3791
Android (android.graphics.Color)	4291269228 (0xFFC7926C)
YUV	157.5150, -24.4109, 36.3823
Hunter-Lab	58.1228, 10.4988, 21.5266

# Details

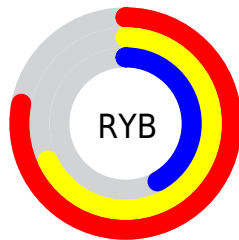
The XYZ color **36.5388, 33.7826, 18.7822** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **29.2373, 32.7999, 58.8226**, and the grayscale version is **32.3736, 34.0596, 37.0909**.

A 20% lighter version of the original color is **68.2394, 65.1066, 42.2279**, and **16.2355, 14.3503, 6.1891** is the 20% darker color. If you saturate the color by 10%, you get **33.9015, 30.0138, 13.2610**, and if you desaturate by 10%, it is **39.6007, 38.0136, 25.6382**.

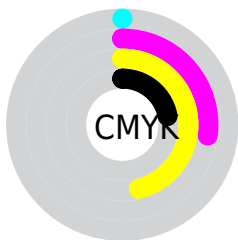
# Distribution



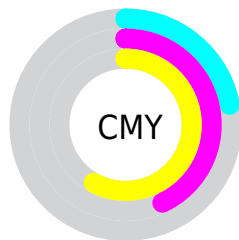
- Red (78%)
- Green (57%)
- Blue (42%)



- Red (78%)
- Yellow (68%)
- Blue (42%)



- Cyan (0%)
- Magenta (27%)
- Yellow (46%)
- Black (22%)




- Cyan (22%)
- Magenta (43%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5388, 33.7826, 18.7822 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 36.5388, 33.7826, 18.7822 by changing the saturation by 10% instead.





 36.5388, 33.7826,  
18.7822


 36.5388, 33.7826,  
18.7822


322.6998,  
319.1616, 257.6263


 25.0226, 22.7266,  
11.3378


 69.1813, 65.5955,  
42.1975


 16.2227, 14.3918,  
6.1775


 91.0384, 87.1211,  
59.0055

 9.7738, 8.3937,  
2.8828


 117.0732,  
112.9055, 79.7718

 5.3103, 4.3479,  
1.0351

 147.6510,  
143.3330, 104.9149

 2.4671, 1.8700,  
0.0000

183.1372,  
178.7879, 134.8534

 0.8787, 0.5302,  
0.0000

223.8972,

 0.0000, 0.0000,

219.6547, 170.0057

0.0000

270.2962,  
266.3178, 210.7905

■ 36.5388, 33.7826,  
18.7822

■ 36.5388, 33.7826,  
18.7822

■ 33.9015, 30.0138,  
13.2610

■ 39.6007, 38.0136,  
25.6382

■ 31.6642, 26.6850,  
8.9829

■ 43.1048, 42.7181,  
33.9081

■ 29.8033, 23.7789,  
5.8480


■ 47.0708, 47.9134,  
43.6673


■ 28.2911, 21.2750,  
3.7394


■ 51.5163, 53.6139,  
54.9851


■ 27.0943, 19.1500,  
2.5124


■ 56.4580, 59.8338,  
67.9266

 26.6547, 18.3453,  
2.1361

 61.9117, 66.5864,  
82.5529

 67.8923, 73.8846,  
98.9222

 72.3870, 80.9298,  
106.4136

 75.8840, 87.9240,  
107.5793

# Harmonies

## Analogous

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



40.2538, 33.7826, 25.1688



36.5388, 33.7826, 18.7822



31.9147, 33.7826, 16.8681

# Triad

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



36.5388, 33.7826, 18.7822



24.0740, 33.7826, 37.3449



36.9082, 33.7826, 62.8749

# Complementary

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



36.5388, 33.7826, 18.7822



29.2373, 32.7999, 58.8226

# 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.



32.3048, 33.7826, 68.2577



36.5388, 33.7826, 18.7822



25.1449, 33.7826, 51.5135

# Square

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



36.5388, 33.7826, 18.7822



24.9796, 33.7826, 25.9275



28.0532, 33.7826, 63.6767



40.4810, 33.7826, 50.3121



# Rectangle

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



36.5388, 33.7826, 18.7822



29.0152, 33.7826, 17.9081



28.0532, 33.7826, 63.6767



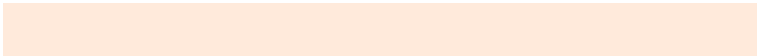
35.4159, 33.7826, 65.7020

# Sweetspot

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



36.5396, 33.7842, 18.7829



83.5483, 85.3553, 79.2969



35.3562, 25.4436, 36.8045



17.5362, 17.8210, 16.1035



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.



36.5396, 33.7842, 18.7829



59.3258, 52.5034, 23.1517



44.9817, 50.6683, 21.5969



10.9917, 11.3526, 11.1747



17.2219, 11.9611, 1.4010



0.8867, 0.7088, 0.0901



# Inverse Universe

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



29.2373, 32.7999, 58.8226



44.9237, 50.5205, 101.9914



22.6908, 19.7069, 56.6405



10.5611, 11.2964, 13.5413



10.7248, 10.8435, 36.2721



0.5782, 0.6542, 1.7409



# Previews

## White Background



This preview shows how the XYZ color 36.5388, 33.7826, 18.7822 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 36.5388, 33.7826, 18.7822 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

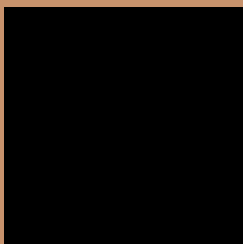
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 36.5388, 33.7826, 18.7822**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.5388, 33.7826, 18.7822.



This preview shows how white text looks on a background with the XYZ color 36.5388, 33.7826,



# 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

36.5388, 33.7826, 18.7822

### Protanopia

31.6152, 33.8522, 20.4906

### Deuteranopia

34.4595, 33.8861, 18.6344



## Tritanopia

39.5926, 33.6870, 33.6936

# Trichromacy



**Original Color**

36.5388, 33.7826, 18.7822

**Protanomaly**

33.3165, 33.7539, 19.7981

**Deuteranomaly**

35.1395, 33.7629, 18.5748

**Tritanomaly**

38.4033, 33.6518, 27.3930

# Monochromacy



**Original Color**

36.5388, 33.7826, 18.7822

**Achromatopsia**

32.4990, 34.1914, 37.2345

**Achromatomaly**

33.5228, 33.8889, 29.5853

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.5388, 33.7826, 18.7822 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, 146, 108)` looks like.

```
.text, #text, p{  
    color:rgb(199, 146, 108)  
}
```

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, 146, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 146, 108) }
```

## Border

The CSS property to change the border of an element to XYZ 36.5388, 33.7826, 18.7822 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, 146, 108) }
```



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

```
.border{ border-color:rgb(199, 146, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 146, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 146, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 146, 108);  
box-shadow:4px 4px 4px 4px rgb(199, 146,  
108) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.5388, 33.7826, 18.7822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 146, 108) }
```

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

```
.background{ background-color: rgb(199,  
146, 108) }
```

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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