

# Converting Colors

XYZ(34.8201, 30.4342, 19.3302)

Have a look what the booklet for  
XYZ(34.8201, 30.4342, 19.3302)  
contains.

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# Color

**XYZ(34.8773, 30.5036,  
19.3788)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C68770
RGB	198, 135, 112
RGB Percent	78%, 53%, 44%
CMY	0.2235, 0.4706, 0.5608
CMYK	0.00, 0.32, 0.43, 0.22
HSL	16°, 43%, 61%
HSV	16°, 43%, 78%
XYZ	34.8773, 30.5036, 19.3788
YIQ	151.2150, 44.9310, 6.2030

# Conversions

## Conversions Part 2

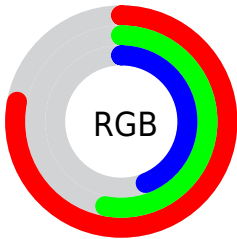
Format	Color
R <sub>Y</sub> B	198, 143, 112
Decimal	13010800
CIE Lab	62.09, 21.38, 22.13
CIE LCh	62, 30.775, 45.984
Yxy	30.5036, 0.4115, 0.3599
Android (android.graphics.Color)	4291200880 (0xFFC68770)
YUV	151.2150, -19.3330, 41.0304
Hunter-Lab	55.2301, 16.0686, 17.8577

# Details

The XYZ color **34.8773, 30.5036, 19.3788** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.2044, 38.1802, 59.0981**, and the grayscale version is **29.5750, 31.1152, 33.8844**.

A 20% lighter version of the original color is **66.1384, 60.3355, 43.2820**, and **15.3292, 12.6179, 6.4781** is the 20% darker color. If you saturate the color by 10%, you get **32.0062, 26.3360, 13.5678**, and if you desaturate by 10%, it is **38.2681, 35.3226, 26.5595**.

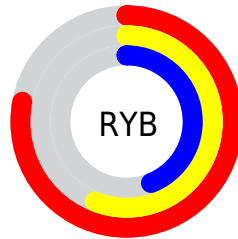
# Distribution



Red (78%)

Green (53%)

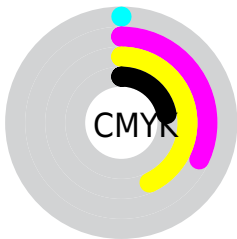
Blue (44%)



Red (78%)

Yellow (56%)

Blue (44%)

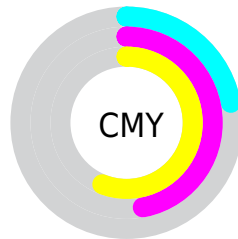


Cyan (0%)

Magenta (32%)

Yellow (43%)

Black (22%)



Cyan (22%)

Magenta (47%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8773, 30.5036, 19.3788 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 34.8773, 30.5036, 19.3788 by changing the saturation by 10% instead.





 34.8773, 30.5036,  
19.3788


 34.8773, 30.5036,  
19.3788


315.5439,  
304.2448, 261.0241


 23.7344, 20.2211,  
11.7647


 66.6309, 60.4577,  
43.2184


 15.2604, 12.5559,  
6.4631


 87.9724, 80.8981,  
60.2810

 9.0899, 7.1235,  
3.0554


 113.4441,  
105.4933, 81.3302

 4.8574, 3.5394,  
1.1230

 143.4114,  
134.6277, 106.7846

 2.1977, 1.4194,  
0.0000

178.2397,  
168.6856, 137.0626

 0.7415, 0.2310,  
0.0000

218.2943,

 0.0000, 0.0000,

208.0516, 172.5828

0.0000

263.9406,  
253.1098, 213.7638

■ 34.8773, 30.5036,  
19.3788

■ 34.8773, 30.5036,  
19.3788

■ 32.0062, 26.3360,  
13.5678

■ 38.2681, 35.3226,  
26.5595

■ 29.6253, 22.7866,  
9.0366

■ 42.2012, 40.8151,  
35.1887

■ 27.7056, 19.8262,  
5.6869


■ 46.7009, 47.0079,  
45.3409


■ 26.2136, 17.4210,  
3.4053

■ 51.7891, 53.9248,  
57.0853


■ 25.1106, 15.5333,  
2.0556


■ 57.4865, 61.5886,  
70.4867

 24.5601, 14.5487,  
1.5137

 63.8128, 70.0208,  
85.6062

 70.7868, 79.2424,  
102.5019

 75.8464, 88.2413,  
107.6425

 77.0986, 90.7457,  
108.0599

# Harmonies

## Analogous

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



37.3298, 30.5036, 27.3278



34.8773, 30.5036, 19.3788



30.9618, 30.5036, 15.6538

# Triad

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



34.8773, 30.5036, 19.3788



21.9410, 30.5036, 27.9969



31.2384, 30.5036, 60.2727

# Complementary

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



34.8773, 30.5036, 19.3788



32.2044, 38.1802, 59.0981

# 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.



27.1090, 30.5036, 60.5745



34.8773, 30.5036, 19.3788



21.9998, 30.5036, 39.8883

# Square

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



34.8773, 30.5036, 19.3788



23.6413, 30.5036, 19.7678



23.8104, 30.5036, 52.4328



35.0963, 30.5036, 51.6861



# Rectangle

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



34.8773, 30.5036, 19.3788



28.1715, 30.5036, 15.3207



23.8104, 30.5036, 52.4328



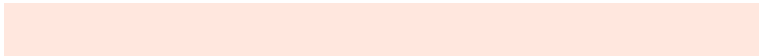
29.8298, 30.5036, 61.4052

# Sweetspot

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



34.8781, 30.5051, 19.3794



82.9016, 83.5197, 80.7534



36.8274, 26.6921, 43.8029



17.3420, 17.3258, 16.3677



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.



34.8781, 30.5051, 19.3794



56.9824, 47.0845, 24.6275



42.1205, 44.9899, 21.7935



10.8608, 11.0908, 11.1311



16.0331, 9.5835, 1.0048



0.8208, 0.5770, 0.0681

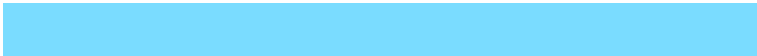


# Inverse Universe

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



32.2044, 38.1802, 59.0981



51.6028, 62.3269, 103.9183



25.1357, 24.0429, 56.7419



10.6975, 11.5690, 13.5867



13.2906, 15.9752, 37.1274



0.6866, 0.8710, 1.7771



# Previews

## White Background



This preview shows how the XYZ color 34.8773, 30.5036, 19.3788 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

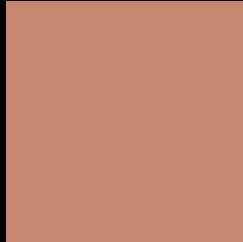
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.8773, 30.5036, 19.3788 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 34.8773, 30.5036, 19.3788**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.8773, 30.5036, 19.3788.



This preview shows how white text looks on a background with the XYZ color 34.8773, 30.5036,



# 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

34.8773, 30.5036, 19.3788

### Protanopia

28.7333, 30.6182, 21.8483

### Deuteranopia

31.1478, 30.5373, 19.0045



## Tritanopia

37.0114, 30.5732, 29.1498

# Trichromacy



## Original Color

34.8773, 30.5036, 19.3788

## Protanomaly

30.7333, 30.5104, 20.7923

## Deuteranomaly

32.4017, 30.5117, 19.2205

## Tritanomaly

36.0999, 30.3936, 25.0830

# Monochromacy



## Original Color

34.8773, 30.5036, 19.3788

## Achromatopsia

29.4150, 30.9469, 33.7012

## Achromatomaly

30.7892, 30.3818, 27.9084

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.8773, 30.5036, 19.3788 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(198, 135, 112)` looks like.

```
.text, #text, p{  
    color:rgb(198, 135, 112)  
}
```

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(198, 135, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 135, 112) }
```

## Border

The CSS property to change the border of an element to XYZ 34.8773, 30.5036, 19.3788 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(198, 135, 112) }
```



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

```
.border{ border-color:rgb(198, 135, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 135, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 135, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 135, 112);  
box-shadow:4px 4px 4px 4px rgb(198, 135,  
112) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.8773, 30.5036, 19.3788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 135, 112) }
```

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

```
.background{ background-color: rgb(198,  
135, 112) }
```

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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