

Converting Colors

XYZ(36.7731, 30.6678, 19.3106)

Have a look what the booklet for
XYZ(36.7731, 30.6678, 19.3106)
contains.

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Color

**XYZ(36.7731, 30.6678,
19.3106)**

Conversions

Conversions Part 1

Format	Color
Hex	CF8370
RGB	207, 131, 112
RGB Percent	81%, 51%, 44%
CMY	0.1882, 0.4863, 0.5608
CMYK	0.00, 0.37, 0.46, 0.19
HSL	12°, 50%, 63%
HSV	12°, 46%, 81%
XYZ	36.7731, 30.6678, 19.3106
YIQ	151.5580, 51.3950, 10.2030

Conversions

Conversions Part 2

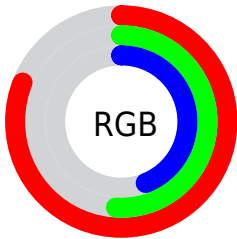
Format	Color
R _Y B	207, 136, 112
Decimal	13599600
CIE Lab	62.23, 27.15, 22.50
CIE LCh	62, 35.267, 39.653
Yxy	30.6678, 0.4239, 0.3535
Android (android.graphics.Color)	4291789680 (0xFFCF8370)
YUV	151.5580, -19.5021, 48.6226
Hunter-Lab	55.3785, 21.6173, 18.0904

Details

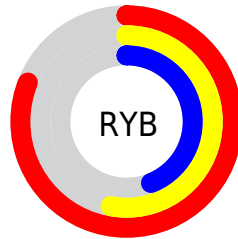
The XYZ color **36.7731, 30.6678, 19.3106** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **35.9271, 43.9146, 65.6143**, and the grayscale version is **29.7211, 31.2689, 34.0518**.

A 20% lighter version of the original color is **65.2898, 58.6383, 42.9991**, and **16.4455, 12.7391, 6.4426** is the 20% darker color. If you saturate the color by 10%, you get **33.7013, 26.1615, 13.2392**, and if you desaturate by 10%, it is **40.4669, 35.9940, 26.8970**.

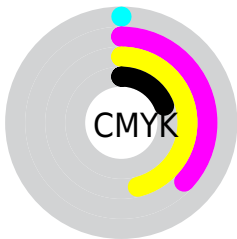
Distribution



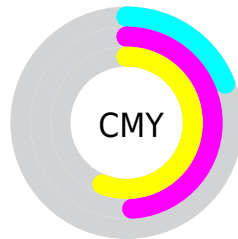
- Red (81%)
- Green (51%)
- Blue (44%)



- Red (81%)
- Yellow (53%)
- Blue (44%)



- Cyan (0%)
- Magenta (37%)
- Yellow (46%)
- Black (19%)





- Cyan (19%)
- Magenta (49%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7731, 30.6678, 19.3106 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 36.7731, 30.6678, 19.3106 by changing the saturation by 10% instead.


 36.7731, 30.6678,
19.3106


 36.7731, 30.6678,
19.3106


323.6997,
305.0049, 260.6378

 25.2047, 20.3460,
11.7158


 69.5398, 60.7167,
43.1020


 16.3592, 12.6468,
6.4303


 91.4688, 81.2126,
60.1356

 9.8711, 7.1858,
3.0355


 117.5821,
105.8686, 81.1527

 5.3752, 3.5786,
1.1128

 148.2449,
135.0692, 106.5717

 2.5061, 1.4407,
0.0000

183.8228,
169.1987, 136.8111

 0.8983, 0.2465,
0.0000

224.6810,

 0.0000, 0.0000,

208.6416, 172.2896

0.0000

271.1848,
253.7822, 213.4256

■ 36.7731, 30.6678,
19.3106

■ 36.7731, 30.6678,
19.3106

■ 33.7013, 26.1615,
13.2392

■ 40.4669, 35.9940,
26.8970

■ 31.2139, 22.4295,
8.5785

■ 44.8127, 42.1737,
36.0895

■ 29.2726, 19.4286,
5.2137


■ 49.8414, 49.2441,
46.9743


■ 27.8335, 17.1092,
3.0109


■ 55.5812, 57.2389,
59.6308


■ 26.8443, 15.4152,
1.8047

■ 62.0586, 66.1898,
74.1333

 26.5393, 14.8798,
1.4733

 69.2988, 76.1273,
90.5519

 77.0181, 86.9573,
107.3329

 79.5422, 92.0054,
108.1742

Harmonies

Analogous

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



39.1273, 30.6678, 29.1896



36.7731, 30.6678, 19.3106



32.4461, 30.6678, 14.3614

Triad

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



36.7731, 30.6678, 19.3106



21.3867, 30.6678, 25.0870



30.7095, 30.6678, 66.4442

Complementary

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



36.7731, 30.6678, 19.3106



35.9271, 43.9146, 65.6143

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.



26.0828, 30.6678, 64.4652



36.7731, 30.6678, 19.3106



21.0298, 30.6678, 37.9796

Square

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



36.7731, 30.6678, 19.3106



23.6932, 30.6678, 17.0121



22.6587, 30.6678, 53.0517



35.3836, 30.6678, 57.8924

Rectangle

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



36.7731, 30.6678, 19.3106



29.2043, 30.6678, 13.4503



22.6587, 30.6678, 53.0517



29.0934, 30.6678, 67.0319

Sweetspot

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



36.7739, 30.6693, 19.3112



81.3823, 81.0235, 78.5749



40.6036, 28.4849, 50.9352



17.0128, 16.7741, 15.9291



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.



36.7739, 30.6693, 19.3112



54.1136, 42.0789, 21.4143



44.6770, 46.4756, 21.9456



11.9975, 12.1857, 12.3318



16.7750, 9.4829, 0.9463



0.9951, 0.6445, 0.0720

Inverse Universe

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



35.9271, 43.9146, 65.6143



52.5411, 65.7553, 104.5306



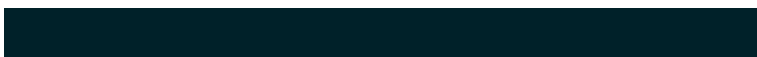
27.3962, 26.8527, 62.7707



11.9491, 12.9885, 15.1209



15.7086, 20.0639, 40.2373



0.9306, 1.2264, 2.2672

Previews

White Background



This preview shows how the XYZ color 36.7731, 30.6678, 19.3106 looks on a white background.

Color Contrast Check

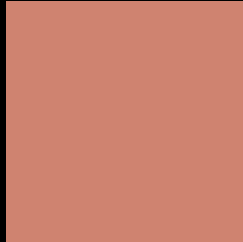
Large Text (above 18pt) WCAG AA × Fail

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 36.7731, 30.6678, 19.3106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

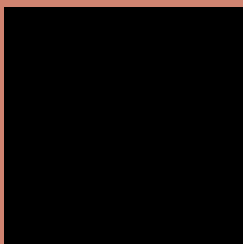
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.7731, 30.6678, 19.3106

Background



This preview shows how black text looks on a background with the XYZ color 36.7731, 30.6678, 19.3106.



This preview shows how white text looks on a background with the XYZ color 36.7731, 30.6678,

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

36.7731, 30.6678, 19.3106

Protanopia

29.0150, 30.9873, 22.5410

Deuteranopia

31.4761, 30.9386, 18.7808



Tritanopia

38.3992, 30.5402, 27.5379

Trichromacy



Original Color

36.7731, 30.6678, 19.3106

Protanomaly

31.3747, 30.6016, 21.3926

Deuteranomaly

33.1788, 30.7008, 18.9290

Tritanomaly

37.6279, 30.4068, 24.3080

Monochromacy



Original Color

36.7731, 30.6678, 19.3106

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

31.5019, 30.5233, 27.8982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7731, 30.6678, 19.3106 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(207, 131, 112)` looks like.

```
.text, #text, p{  
    color:rgb(207, 131, 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(207, 131, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 131, 112) }
```

Border

The CSS property to change the border of an element to XYZ 36.7731, 30.6678, 19.3106 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(207, 131, 112) }
```


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

```
.border{ border-color:rgb(207, 131, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 131, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 131, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 131, 112);  
box-shadow:4px 4px 4px 4px rgb(207, 131,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7731, 30.6678, 19.3106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 131, 112) }
```

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

```
.background{ background-color: rgb(207,  
131, 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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