

# Converting Colors

XYZ(31.0337, 26.3472, 11.0356)

Have a look what the booklet for  
XYZ(31.0337, 26.3472, 11.0356)  
contains.

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# Color

**XYZ(31.0366, 26.3472,  
11.0391)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C37B50
RGB	195, 123, 80
RGB Percent	76%, 48%, 31%
CMY	0.2353, 0.5176, 0.6863
CMYK	0.00, 0.37, 0.59, 0.24
HSL	22°, 49%, 54%
HSV	22°, 59%, 76%
XYZ	31.0366, 26.3472, 11.0391
YIQ	139.6260, 56.7150, 1.8910

# Conversions

## Conversions Part 2

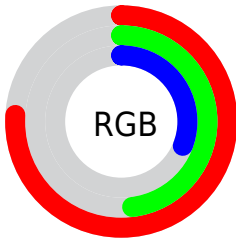
<b>Format</b>	<b>Color</b>
<b>RYB</b>	195, 149, 80
Decimal	12811088
CIELab	58.37, 23.77, 34.96
CIELCh	58, 42.273, 55.786
Yxy	26.3472, 0.4536, 0.3851
Android (android.graphics.Color)	4291001168 (0xFFC37B50)
YUV	139.6260, -29.3956, 48.5630
Hunter-Lab	51.3295, 18.1041, 23.1796

# Details

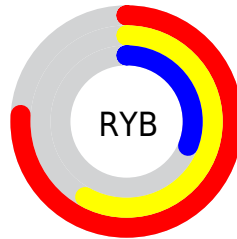
The XYZ color **31.0366, 26.3472, 11.0391** is a dark color, and the websafe version is hex **996633**. The color can be described as middle muted orange. A complement of this color would be **24.3861, 28.1006, 55.7682**, and the grayscale version is **24.8777, 26.1733, 28.5027**.

A 20% lighter version of the original color is **60.7946, 53.9224, 28.3229**, and **13.0398, 10.3257, 2.7446** is the 20% darker color. If you saturate the color by 10%, you get **28.9969, 23.2584, 7.3058**, and if you desaturate by 10%, it is **33.4755, 29.9001, 15.9373**.

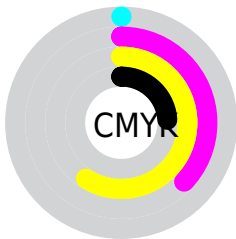
# Distribution



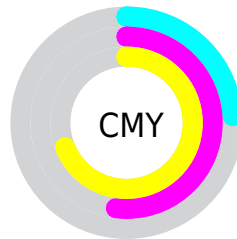
- Red (76%)
- Green (48%)
- Blue (31%)



- Red (76%)
- Yellow (58%)
- Blue (31%)



- Cyan (0%)
- Magenta (37%)
- Yellow (59%)
- Black (24%)



- Cyan (24%)
- Magenta (52%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0366, 26.3472, 11.0391 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 31.0366, 26.3472, 11.0391 by changing the saturation by 10% instead.



31.0366, 26.3472,  
11.0391

31.0366, 26.3472,  
11.0391

298.5308,  
284.4823, 208.6827

20.7787, 17.0836,  
5.9786

60.6731, 53.8345,  
28.3702

13.0739, 10.2941,  
2.7635

80.7825, 72.8270,  
41.4779

7.5568, 5.5944,  
0.9752

104.9063, 95.8313,  
58.1051

3.8621, 2.6000,  
0.0000

133.4100,  
123.2316, 78.6704

1.6244, 0.9267,  
0.0000

166.6590,  
155.4125, 103.5922

0.4082, 0.0000,  
0.0000

205.0185,

0.0000, 0.0000,

192.7583, 133.2892

0.0000

248.8540,  
235.6535, 168.1798

■ 31.0366, 26.3472,  
11.0391

■ 31.0366, 26.3472,  
11.0391

■ 28.9969, 23.2584,  
7.3058

■ 33.4755, 29.9001,  
15.9373

■ 27.3289, 20.6083,  
4.6354

■ 36.3348, 33.9327,  
22.0877

■ 26.0040, 18.3748,  
2.9102

■ 39.6360, 38.4648,  
29.5708

■ 24.9770, 16.5273,  
1.9311

■ 43.3987, 43.5137,  
38.4599

■ 24.8829, 16.3568,  
1.8457

■ 47.6412, 49.0960,  
48.8228

■ 52.3807, 55.2272,  
60.7231

■ 57.6334, 61.9225,  
74.2205

■ 63.4150, 69.1961,  
89.3715

■ 69.6594, 77.0298,  
105.8045

# Harmonies

## Analogous

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



35.0648, 26.3472, 18.0299



31.0366, 26.3472, 11.0391



25.7774, 26.3472, 8.6742

# Triad

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



31.0366, 26.3472, 11.0391



16.4038, 26.3472, 26.6526



29.6042, 26.3472, 62.5731

# Complementary

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



31.0366, 26.3472, 11.0391



24.3861, 28.1006, 55.7682

# 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.



24.3212, 26.3472, 67.3108



31.0366, 26.3472, 11.0391



17.1384, 26.3472, 42.8860

# Square

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



31.0366, 26.3472, 11.0391



17.7101, 26.3472, 15.5077



19.8741, 26.3472, 59.1312



34.1614, 26.3472, 47.7833



# Rectangle

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



31.0366, 26.3472, 11.0391



22.4424, 26.3472, 9.1294



19.8741, 26.3472, 59.1312



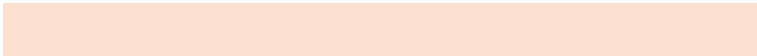
27.8354, 26.3472, 65.5719

# Sweetspot

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



31.0372, 26.3485, 11.0396



78.2278, 78.5973, 70.0850



31.1104, 19.6340, 32.2150



16.6702, 16.5988, 14.2428



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.



31.0372, 26.3485, 11.0396



50.9306, 40.0892, 11.3936



40.2076, 44.6893, 14.0964



10.3749, 10.6812, 10.5767



16.2473, 10.7804, 1.2245



0.7683, 0.5985, 0.0750



# Inverse Universe

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



24.3861, 28.1006, 55.7682



37.8432, 43.3565, 98.8439



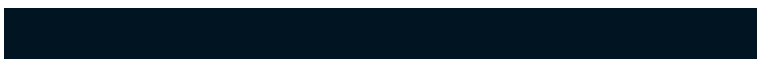
17.2810, 13.8904, 53.3998



10.0418, 10.7749, 12.8353



11.0146, 11.7857, 35.2510



0.5403, 0.6380, 1.5445



# Previews

## White Background



This preview shows how the XYZ color 31.0366, 26.3472, 11.0391 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 31.0366, 26.3472, 11.0391 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

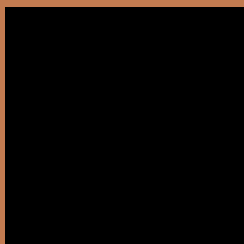
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 31.0366, 26.3472, 11.0391**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.0366, 26.3472, 11.0391.



This preview shows how white text looks on a background with the XYZ color 31.0366, 26.3472,



# 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

31.0366, 26.3472, 11.0391

### Protanopia

24.5716, 26.6079, 12.8576

### Deuteranopia

26.9135, 26.3709, 10.8793



## Tritanopia

33.4159, 26.2347, 23.0413

# Trichromacy



## Original Color

31.0366, 26.3472, 11.0391

## Protanomaly

26.4875, 26.1253, 12.0342

## Deuteranomaly

28.2163, 26.2331, 10.9735

## Tritanomaly

32.3831, 26.1681, 17.8122

# Monochromacy



## Original Color

31.0366, 26.3472, 11.0391

## Achromatopsia

24.9269, 26.2251, 28.5591

## Achromatomaly

26.2923, 25.8318, 20.7398

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.0366, 26.3472, 11.0391 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(195, 123, 80)` looks like.

```
.text, #text, p{  
    color:rgb(195, 123, 80)  
}
```

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(195, 123, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 123, 80) }
```

## Border

The CSS property to change the border of an element to XYZ 31.0366, 26.3472, 11.0391 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(195, 123, 80) }
```



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

```
.border{ border-color:rgb(195, 123, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 123, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 123, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 123, 80);  
box-shadow:4px 4px 4px 4px rgb(195, 123,  
80) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.0366, 26.3472, 11.0391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 123, 80) }
```

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

```
.background{ background-color: rgb(195,  
123, 80) }
```

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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