

Converting Colors

XYZ(31.7564, 25.9506, 10.5473)

Have a look what the booklet for
XYZ(31.7564, 25.9506, 10.5473)
contains.

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Color

**XYZ(31.7914, 26.0231,
10.5551)**

Conversions

Conversions Part 1

Format	Color
Hex	C8774E
RGB	200, 119, 78
RGB Percent	78%, 47%, 31%
CMY	0.2157, 0.5333, 0.6941
CMYK	0.00, 0.40, 0.61, 0.22
HSL	20°, 53%, 55%
HSV	20°, 61%, 78%
XYZ	31.7914, 26.0231, 10.5551
YIQ	138.5450, 61.4370, 4.4210

Conversions

Conversions Part 2

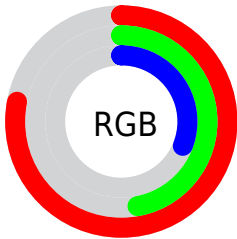
Format	Color
R _Y B	200, 140, 78
Decimal	13137742
CIE Lab	58.06, 27.86, 35.81
CIE LCh	58, 45.372, 52.121
Yxy	26.0231, 0.4650, 0.3806
Android (android.graphics.Color)	4291327822 (0xFFC8774E)
YUV	138.5450, -29.8487, 53.8960
Hunter-Lab	51.0128, 21.9694, 23.4413

Details

The XYZ color **31.7914, 26.0231, 10.5551** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **25.9645, 30.5844, 59.1782**, and the grayscale version is **24.4609, 25.7348, 28.0251**.

A 20% lighter version of the original color is **59.8888, 52.3236, 27.3650**, and **13.5308, 10.1060, 2.5338** is the 20% darker color. If you saturate the color by 10%, you get **29.7091, 22.8369, 6.8453**, and if you desaturate by 10%, it is **34.3138, 29.7408, 15.4876**.

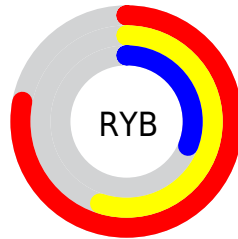
Distribution



Red (78%)

Green (47%)

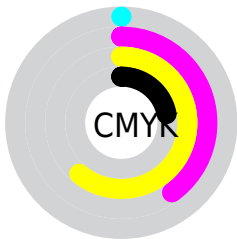
Blue (31%)



Red (78%)

Yellow (55%)

Blue (31%)

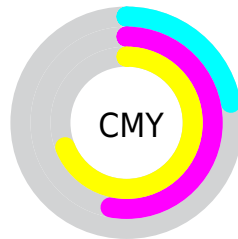


Cyan (0%)

Magenta (40%)

Yellow (61%)

Black (22%)



Cyan (22%)


Magenta (53%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7914, 26.0231, 10.5551 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 31.7914, 26.0231, 10.5551 by changing the saturation by 10% instead.


 31.7914, 26.0231,
10.5551

 31.7914, 26.0231,
10.5551


301.9301,
282.8955, 205.2159


 21.3570, 16.8409,
5.6581


 61.8513, 53.3122,
27.4584


 13.4991, 10.1211,
2.5729


 82.2076, 72.1879,
40.3019


 7.8525, 5.4794,
0.8784


 106.6018, 95.0636,
56.6313

 4.0517, 2.5312,
0.0000

 135.3993,
122.3237, 76.8652

 1.7314, 0.8922,
0.0000

 168.9656,
154.3525, 101.4220

 0.4758, 0.0000,
0.0000

207.6659,

 0.0000, 0.0000,

191.5345, 130.7204

0.0000

251.8656,
234.2540, 165.1789

■ 31.7914, 26.0231,
10.5551

■ 31.7914, 26.0231,
10.5551

■ 29.7091, 22.8369,
6.8453

■ 34.3138, 29.7408,
15.4876

■ 28.0354, 20.1518,
4.2459

■ 37.3008, 34.0102,
21.7386

■ 26.7369, 17.9399,
2.6259

■ 40.7773, 38.8554,
29.3959

■ 25.8396, 16.3200,
1.7882

■ 44.7658, 44.2976,
38.5392

■ 49.2870, 50.3571,
49.2423

■ 54.3607, 57.0530,
61.5739

■ 60.0054, 64.4036,
75.5989

■ 66.2390, 72.4264,
91.3782

■ 72.5914, 80.9435,
106.4054

Harmonies

Analogous

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



35.8476, 26.0231, 18.4146



31.7914, 26.0231, 10.5551



26.2083, 26.0231, 7.7104

Triad

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



31.7914, 26.0231, 10.5551



15.6888, 26.0231, 24.3927



28.9221, 26.0231, 66.5383

Complementary

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



31.7914, 26.0231, 10.5551



25.9645, 30.5844, 59.1782

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.



23.3164, 26.0231, 70.0218



31.7914, 26.0231, 10.5551



16.1938, 26.0231, 41.2989

Square

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



31.7914, 26.0231, 10.5551



17.3085, 26.0231, 13.5409



18.8072, 26.0231, 59.4880



34.0277, 26.0231, 51.2210

Rectangle

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



31.7914, 26.0231, 10.5551



22.5850, 26.0231, 7.8746



18.8072, 26.0231, 59.4880



27.0155, 26.0231, 69.3145

Sweetspot

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



31.7920, 26.0244, 10.5556



79.5586, 79.4636, 71.5314



32.8308, 20.2431, 35.1297



16.5564, 16.3712, 14.2048



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.



31.7920, 26.0244, 10.5556



50.4819, 38.0325, 10.2862



41.4485, 45.3374, 13.7744



10.9203, 11.2098, 11.1509



16.5045, 10.5261, 1.1619



0.8486, 0.6326, 0.0774

Inverse Universe

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



25.9645, 30.5844, 59.1782



39.4386, 46.3696, 101.4793



17.9663, 14.5879, 56.5121



10.6348, 11.4438, 13.5658



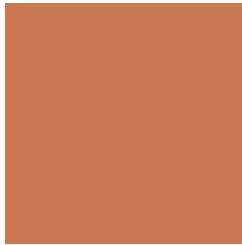
12.0280, 13.4500, 36.7065



0.6344, 0.7666, 1.7597

Previews

White Background



This preview shows how the XYZ color 31.7914, 26.0231, 10.5551 looks on a white background.

Color Contrast Check

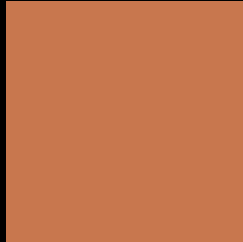
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.7914, 26.0231, 10.5551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

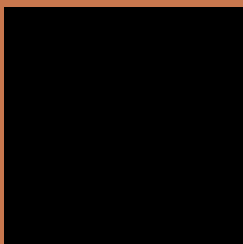
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.7914, 26.0231, 10.5551

Background



This preview shows how black text looks on a background with the XYZ color 31.7914, 26.0231, 10.5551.



This preview shows how white text looks on a background with the XYZ color 31.7914, 26.0231,

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

31.7914, 26.0231, 10.5551

Protanopia

24.1947, 26.2004, 12.5861

Deuteranopia

26.4521, 25.9410, 10.2695



Tritanopia

34.1588, 26.1363, 21.6568

Trichromacy



Original Color

31.7914, 26.0231, 10.5551

Protanomaly

26.3902, 25.6731, 11.7481

Deuteranomaly

28.3151, 25.9052, 10.3453

Tritanomaly

33.2040, 26.0879, 16.9211

Monochromacy



Original Color

31.7914, 26.0231, 10.5551

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

26.1601, 25.3639, 20.3466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7914, 26.0231, 10.5551 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(200, 119, 78)` looks like.

```
.text, #text, p{  
    color:rgb(200, 119, 78)  
}
```

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(200, 119, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 119, 78) }
```

Border

The CSS property to change the border of an element to XYZ 31.7914, 26.0231, 10.5551 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(200, 119, 78) }
```


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

```
.border{ border-color:rgb(200, 119, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 119, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 119, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 119, 78);  
box-shadow:4px 4px 4px 4px rgb(200, 119,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7914, 26.0231, 10.5551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 119, 78) }
```

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

```
.background{ background-color: rgb(200,  
119, 78) }
```

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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