

Converting Colors

XYZ(31.8291, 26.5129, 11.7401)

Have a look what the booklet for
XYZ(31.8291, 26.5129, 11.7401)
contains.

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Color

**XYZ(31.8485, 26.5649,
11.8365)**

Conversions

Conversions Part 1

Format	Color
Hex	C67A54
RGB	198, 122, 84
RGB Percent	78%, 48%, 33%
CMY	0.2235, 0.5215, 0.6706
CMYK	0.00, 0.38, 0.58, 0.22
HSL	20°, 50%, 55%
HSV	20°, 58%, 78%
XYZ	31.8485, 26.5649, 11.8365
YIQ	140.3920, 57.4940, 4.2940

Conversions

Conversions Part 2

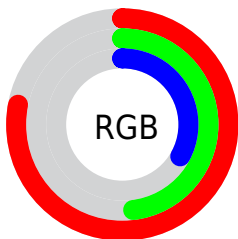
Format	Color
RYB	198, 141, 84
Decimal	13007444
CIELab	58.57, 25.87, 33.12
CIELCh	59, 42.020, 52.008
Yxy	26.5649, 0.4534, 0.3781
Android (android.graphics.Color)	4291197524 (0xFFC67A54)
YUV	140.3920, -27.8013, 50.5222
Hunter-Lab	51.5411, 20.1024, 22.4628

Details

The XYZ color **31.8485, 26.5649, 11.8365** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **26.4194, 31.1023, 58.0368**, and the grayscale version is **25.1697, 26.4805, 28.8373**.

A 20% lighter version of the original color is **60.8730, 53.6412, 29.6997**, and **13.4665, 10.3438, 3.0370** is the 20% darker color. If you saturate the color by 10%, you get **29.6678, 23.2742, 7.8093**, and if you desaturate by 10%, it is **34.4698, 30.3863, 17.0923**.

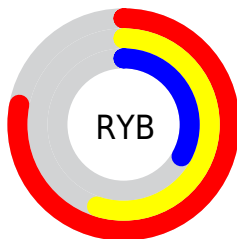
Distribution



Red (78%)

Green (48%)

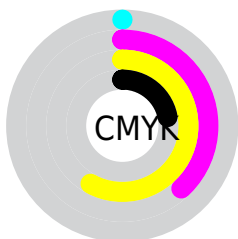
Blue (33%)



Red (78%)

Yellow (55%)

Blue (33%)

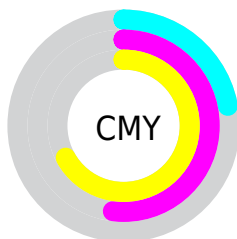


Cyan (0%)

Magenta (38%)

Yellow (58%)

Black (22%)



Cyan (22%)


Magenta (52%)


Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8485, 26.5649, 11.8365 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 31.8485, 26.5649, 11.8365 by changing the saturation by 10% instead.


 31.8485, 26.5649,
11.8365


 31.8485, 26.5649,
11.8365


302.1861,
285.5442, 214.2592

 21.4008, 17.2467,
6.5113


 61.9403, 54.1849,
29.8569

 13.5314, 10.4106,
3.0846


 82.3151, 73.2555,
43.3891


 7.8750, 5.6720,
1.1380


 106.7297, 96.3456,
60.4941

 4.0662, 2.6467,
0.0000

 135.5493,
123.8398, 81.5904

 1.7397, 0.9502,
0.0000

 169.1395,
156.1224, 107.0965

 0.4809, 0.0000,
0.0000

207.8654,

 0.0000, 0.0000,

193.5777, 137.4310

0.0000

252.0925,
236.5902, 173.0124

■ 31.8485, 26.5649,
11.8365

■ 31.8485, 26.5649,
11.8365

■ 29.6678, 23.2742,
7.8093

■ 34.4698, 30.3863,
17.0923

■ 27.8980, 20.4848,
4.9062

■ 37.5549, 34.7576,
23.6665

■ 26.5080, 18.1705,
3.0075

■ 41.1276, 39.7021,
31.6420

■ 25.4559, 16.2982,
1.9421

■ 45.2091, 45.2403,
41.0945

■ 25.2373, 15.9031,
1.7394

■ 49.8196, 51.3918,
52.0944

■ 54.9779, 58.1750,
64.7072

■ 60.7021, 65.6078,
78.9948

■ 67.0093, 73.7072,
95.0160

■ 72.7343, 82.0170,
106.6051

Harmonies

Analogous

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



35.5881, 26.5649, 19.5454



31.8485, 26.5649, 11.8365



26.6512, 26.5649, 8.9488

Triad

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



31.8485, 26.5649, 11.8365



16.6574, 26.5649, 25.1579



29.1448, 26.5649, 63.9912

Complementary

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



31.8485, 26.5649, 11.8365



26.4194, 31.1023, 58.0368

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.



23.8972, 26.5649, 67.0807



31.8485, 26.5649, 11.8365



17.1359, 26.5649, 40.9072

Square

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



31.8485, 26.5649, 11.8365



18.2213, 26.5649, 14.7438



19.6309, 26.5649, 57.5270



33.8851, 26.5649, 50.1299

Rectangle

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



31.8485, 26.5649, 11.8365



23.2444, 26.5649, 9.1076



19.6309, 26.5649, 57.5270



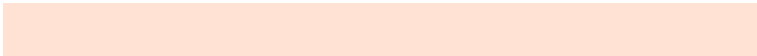
27.3659, 26.5649, 66.4778

Sweetspot

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



31.8491, 26.5663, 11.8370



80.3036, 80.4439, 73.3509



32.8043, 20.8847, 35.5601



16.8555, 16.7701, 14.9189



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.



31.8491, 26.5663, 11.8370



51.6996, 39.9182, 12.3868



41.0091, 44.8861, 14.8903



10.9180, 11.2051, 11.1501



16.4834, 10.4840, 1.1548



0.8474, 0.6303, 0.0770

Inverse Universe

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



26.4194, 31.1023, 58.0368



41.0960, 48.5193, 101.8069



18.6997, 15.6628, 55.4636



10.6373, 11.4487, 13.5667



12.0754, 13.5448, 36.7223



0.6364, 0.7705, 1.7603

Previews

White Background



This preview shows how the XYZ color 31.8485, 26.5649, 11.8365 looks on a white background.

Color Contrast Check

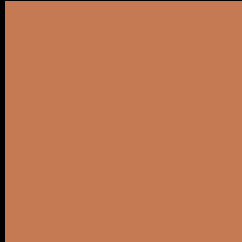
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.8485, 26.5649, 11.8365 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 31.8485, 26.5649, 11.8365

Background



This preview shows how black text looks on a background with the XYZ color 31.8485, 26.5649, 11.8365.



This preview shows how white text looks on a background with the XYZ color 31.8485, 26.5649,

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

31.8485, 26.5649, 11.8365

Protanopia

24.7396, 26.6751, 13.7424

Deuteranopia

27.1624, 26.6927, 11.5052



Tritanopia

34.1504, 26.6208, 22.7404

Trichromacy



Original Color

31.8485, 26.5649, 11.8365

Protanomaly

26.8641, 26.3008, 12.8932

Deuteranomaly

28.5617, 26.3982, 11.5726

Tritanomaly

33.2307, 26.5988, 18.1345

Monochromacy



Original Color

31.8485, 26.5649, 11.8365

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

26.4756, 25.7082, 21.3361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8485, 26.5649, 11.8365 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, 122, 84)` looks like.

```
.text, #text, p{  
    color:rgb(198, 122, 84)  
}
```

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, 122, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 122, 84) }
```

Border

The CSS property to change the border of an element to XYZ 31.8485, 26.5649, 11.8365 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, 122, 84) }
```


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

```
.border{ border-color:rgb(198, 122, 84) }
```

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

Here you see how a box with a 4 pixel rgb(198, 122, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 122, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 122, 84);  
box-shadow:4px 4px 4px 4px rgb(198, 122,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8485, 26.5649, 11.8365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 122, 84) }
```

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

```
.background{ background-color: rgb(198,  
122, 84) }
```

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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