

Converting Colors

XYZ(31.5392, 27.7819, 4.9175)

Have a look what the booklet for
XYZ(31.5392, 27.7819, 4.9175)
contains.

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Color

**XYZ(31.5067, 27.6742,
4.9094)**

Conversions

Conversions Part 1

Format	Color
Hex	C7801E
RGB	199, 128, 30
RGB Percent	78%, 50%, 12%
CMY	0.2196, 0.4980, 0.8823
CMYK	0.00, 0.36, 0.85, 0.22
HSL	35°, 74%, 45%
HSV	35°, 85%, 78%
XYZ	31.5067, 27.6742, 4.9094
YIQ	138.0570, 73.7740, -15.4260

Conversions

Conversions Part 2

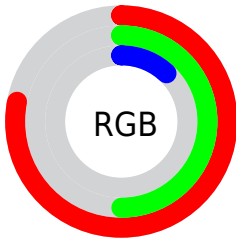
Format	Color
R_{YB}	152, 199, 30
Decimal	13074462
CIE _{Lab}	59.59, 20.21, 59.15
CIE _{LCh}	60, 62.505, 71.139
Yxy	27.6742, 0.4916, 0.4318
Android (android.graphics.Color)	4291264542 (0xFFC7801E)
YUV	138.0570, -53.2721, 53.4470
Hunter-Lab	52.6063, 14.8454, 31.2912

Details

The XYZ color **31.5067, 27.6742, 4.9094** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark washed orange. A complement of this color would be **15.4978, 13.7065, 55.8612**, and the grayscale version is **24.3574, 25.6258, 27.9065**.

A 20% lighter version of the original color is **59.4036, 54.9636, 16.0725**, and **13.4434, 11.0809, 1.4303** is the 20% darker color. If you saturate the color by 10%, you get **30.2823, 25.5121, 3.6184**, and if you desaturate by 10%, it is **32.9824, 30.0830, 7.0750**.

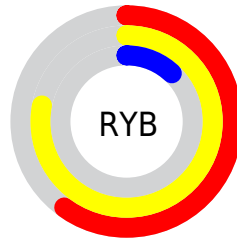
Distribution



Red (78%)

Green (50%)

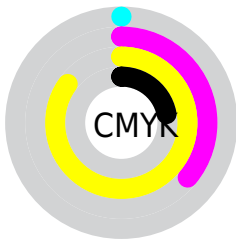
Blue (12%)



Red (60%)

Yellow (78%)

Blue (12%)

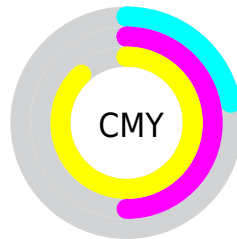


Cyan (0%)

Magenta (36%)

Yellow (85%)

Black (22%)



Cyan (22%)


Magenta (50%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5067, 27.6742, 4.9094 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 31.5067, 27.6742, 4.9094 by changing the saturation by 10% instead.


 31.5067, 27.6742,
4.9094


 31.5067, 27.6742,
4.9094


300.6513,
290.9068, 157.8527


 21.1387, 18.0802,
2.1364


 61.4074, 55.9639,
16.0580


 13.3385, 11.0076,
0.6373


 81.6708, 75.4283,
25.2708

 7.7406, 6.0719,
0.0000


 105.9633, 98.9517,
37.4671

 3.9798, 2.8889,
0.0000

 134.6504,
126.9185, 53.0657

 1.6907, 1.0740,
0.0000

 168.0974,
159.7130, 72.4850

 0.4505, 0.0000,
0.0000

 206.6697,

 0.0000, 0.0000,

197.7196, 96.1436

0.0000

250.7325,
241.3228, 124.4600

■ 31.5067, 27.6742,
4.9094

■ 31.5067, 27.6742,
4.9094

■ 30.2823, 25.5121,
3.6184

■ 32.9824, 30.0830,
7.0750

■ 29.7296, 24.4952,
3.1611

■ 34.7358, 32.7487,
10.2524

■ 36.7911, 35.6855,
14.5559

■ 39.1687, 38.9048,
20.0841

■ 41.8872, 42.4168,
26.9246

■ 44.9633, 46.2312,
35.1569

■ 48.4126, 50.3572,
44.8542

■ 52.2496, 54.8034,
56.0845

■ 56.4881, 59.5779,
68.9115

Harmonies

Analogous

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



39.4300, 27.6742, 9.6636



31.5067, 27.6742, 4.9094



23.4861, 27.6742, 4.4723

Triad

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



31.5067, 27.6742, 4.9094



14.0713, 27.6742, 39.3079



37.5720, 27.6742, 75.9936

Complementary

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



31.5067, 27.6742, 4.9094



15.4978, 13.7065, 55.8612

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.



29.3377, 27.6742, 95.8223



31.5067, 27.6742, 4.9094



16.4710, 27.6742, 68.5988

Square

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



31.5067, 27.6742, 4.9094



14.4219, 27.6742, 18.1784



21.7072, 27.6742, 92.5918



43.3859, 27.6742, 46.4320

Rectangle

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



31.5067, 27.6742, 4.9094



19.2265, 27.6742, 6.1736



21.7072, 27.6742, 92.5918



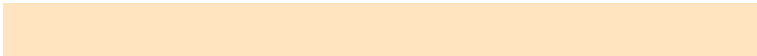
34.9335, 27.6742, 84.5535

Sweetspot

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



31.5073, 27.6756, 4.9099



78.4752, 80.6400, 60.8636



26.4774, 14.0548, 14.2114



16.3724, 16.7393, 11.8744



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.



31.5073, 27.6756, 4.9099



51.8105, 42.4010, 5.4535



41.3310, 51.5977, 9.0096



11.1361, 11.6414, 11.2228



19.2052, 15.9275, 2.0621



0.9799, 0.8952, 0.1211

Inverse Universe

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



15.4978, 13.7065, 55.8612



23.3206, 17.7612, 96.8069



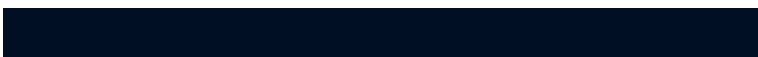
11.6984, 5.5293, 54.4831



10.4167, 11.0075, 13.4931



8.7299, 6.8537, 35.6071



0.4847, 0.4671, 1.7098

Previews

White Background



This preview shows how the XYZ color 31.5067, 27.6742, 4.9094 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 31.5067, 27.6742, 4.9094 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 31.5067, 27.6742, 4.9094

Background



This preview shows how black text looks on a background with the XYZ color 31.5067, 27.6742, 4.9094.



This preview shows how white text looks on a background with the XYZ color 31.5067, 27.6742,

4.9094.

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

31.5067, 27.6742, 4.9094

Protanopia

25.1623, 27.7434, 5.5422

Deuteranopia

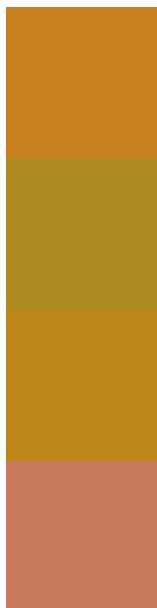
28.4125, 27.9066, 4.8087



Tritanopia

35.3949, 27.5895, 23.8819

Trichromacy



Original Color

31.5067, 27.6742, 4.9094

Protanomaly

27.0422, 27.4007, 5.3024

Deuteranomaly

29.4620, 27.8207, 4.8540

Tritanomaly

33.2484, 27.2483, 13.6323

Monochromacy



Original Color

31.5067, 27.6742, 4.9094

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

25.2744, 25.4246, 15.3797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5067, 27.6742, 4.9094 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(199, 128, 30)` looks like.

```
.text, #text, p{  
    color:rgb(199, 128, 30)  
}
```

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(199, 128, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 128, 30) }
```

Border

The CSS property to change the border of an element to XYZ 31.5067, 27.6742, 4.9094 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(199, 128, 30) }
```


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

```
.border{ border-color:rgb(199, 128, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 128, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 128, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 128, 30);  
box-shadow:4px 4px 4px 4px rgb(199, 128,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5067, 27.6742, 4.9094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 128, 30) }
```

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

```
.background{ background-color: rgb(199,  
128, 30) }
```

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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