

Converting Colors

XYZ(31.4981, 26.0347, 3.3656)

Have a look what the booklet for
XYZ(31.4981, 26.0347, 3.3656)
contains.

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Color

**XYZ(31.4987, 26.0310,
3.3643)**

Conversions

Conversions Part 1

Format	Color
Hex	CC7700
RGB	204, 119, 0
RGB Percent	80%, 47%, 0%
CMY	0.2000, 0.5333, 1.0000
CMYK	0.00, 0.42, 1.00, 0.20
HSL	35°, 100%, 40%
HSV	35°, 100%, 80%
XYZ	31.4987, 26.0310, 3.3643
YIQ	130.8490, 88.8590, -18.9890

Conversions

Conversions Part 2

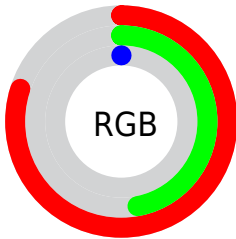
Format	Color
RYB	146, 204, 0
Decimal	13399808
CIELab	58.07, 26.76, 64.94
CIElCh	58, 70.238, 67.607
Yxy	26.0310, 0.5173, 0.4275
Android (android.graphics.Color)	4291589888 (0xFFCC7700)
YUV	130.8490, -64.5086, 64.1534
Hunter-Lab	51.0206, 20.9149, 31.8048

Details

The XYZ color **31.4987, 26.0310, 3.3643** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **14.1477, 10.8568, 58.4763**, and the grayscale version is **21.7213, 22.8525, 24.8863**.

A 20% lighter version of the original color is **57.0359, 51.1824, 12.3419**, and **13.5179, 10.2200, 1.2602** is the 20% darker color. If you saturate the color by 10%, you get **31.4989, 26.0316, 3.3644**, and if you desaturate by 10%, it is **32.6865, 28.1989, 4.4012**.

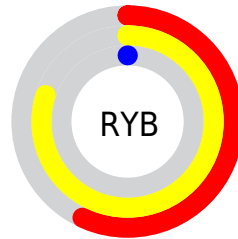
Distribution



Red (80%)

Green (47%)

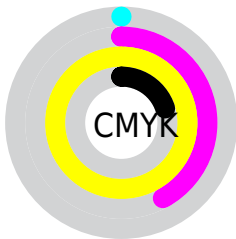
Blue (0%)



Red (57%)

Yellow (80%)

Blue (0%)

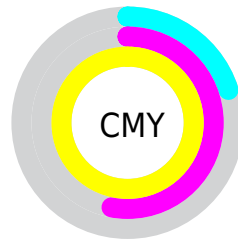


Cyan (0%)

Magenta (42%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4987, 26.0310, 3.3643 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 31.4987, 26.0310, 3.3643 by changing the saturation by 10% instead.


 31.4987, 26.0310,
3.3643


 31.4987, 26.0310,
3.3643


300.6153,
282.9342, 140.8733


 21.1326, 16.8468,
1.2835


 61.3949, 53.3250,
12.5149

 13.3340, 10.1253,
0.0482


 81.6557, 72.2035,
20.4217

 7.7375, 5.4821,
0.0000


 105.9454, 95.0824,
31.1077

 3.9778, 2.5328,
0.0000

 134.6294,
122.3458, 44.9914

 1.6896, 0.8930,
0.0000

 168.0730,
154.3784, 62.4912


 0.4497, 0.0000,
0.0000


 206.6416,

 0.0000, 0.0000,


191.5644, 84.0258


0.0000


 250.7006,
234.2882, 110.0136

 31.4987, 26.0310,
3.3643


 31.4987, 26.0310,
3.3643


 31.4989, 26.0316,
3.3644

 32.6865, 28.1989,
4.4012

 34.1035, 30.6058,
6.1903

 35.7995, 33.2763,
8.9803

 37.8018, 36.2245,
12.9041

 40.1335, 39.4631,
18.0741

■ 42.8153, 43.0034,
24.5887

■ 45.8658, 46.8562,
32.5367

■ 49.3021, 51.0311,
41.9990

■ 53.1402, 55.5375,
53.0506

Harmonies

Analogous

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



40.0645, 26.0310, 8.3108



31.4987, 26.0310, 3.3643



22.6422, 26.0310, 2.6666

Triad

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



31.4987, 26.0310, 3.3643



11.8285, 26.0310, 34.9964



36.1049, 26.0310, 83.8830

Complementary

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



31.4987, 26.0310, 3.3643



14.1477, 10.8568, 58.4763

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.



26.9671, 26.0310, 104.5658



31.4987, 26.0310, 3.3643



13.9285, 26.0310, 67.5348

Square

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



31.4987, 26.0310, 3.3643



12.5060, 26.0310, 13.9992



19.0275, 26.0310, 97.3034



43.1201, 26.0310, 50.1538

Rectangle

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



31.4987, 26.0310, 3.3643



17.9195, 26.0310, 3.8176



19.0275, 26.0310, 97.3034



33.1070, 26.0310, 93.2683

Sweetspot

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



31.4993, 26.0324, 3.3648



75.7476, 77.3373, 53.3184



26.5416, 13.4934, 9.8007



15.7371, 15.9582, 10.1539



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.



31.4993, 26.0324, 3.3648



51.9486, 42.6771, 5.4995



42.0863, 53.7503, 8.1569



11.7469, 12.2827, 11.8311



19.9196, 16.5722, 2.1489



1.1015, 1.0027, 0.1355

Inverse Universe

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



14.1477, 10.8568, 58.4763



23.2294, 17.5788, 96.7765



11.1304, 4.4790, 57.4043



10.9794, 11.5992, 14.2306



8.9918, 7.0076, 36.8350



0.5383, 0.5103, 1.9251

Previews

White Background



This preview shows how the XYZ color 31.4987, 26.0310, 3.3643 looks on a white background.

Color Contrast Check

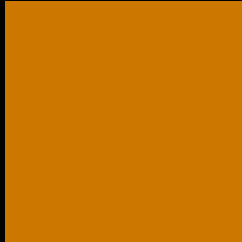
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4987, 26.0310, 3.3643 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 31.4987, 26.0310, 3.3643

Background



This preview shows how black text looks on a background with the XYZ color 31.4987, 26.0310, 3.3643.



This preview shows how white text looks on a background with the XYZ color 31.4987, 26.0310,

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

31.4987, 26.0310, 3.3643

Protanopia

23.5722, 26.0627, 4.2784

Deuteranopia

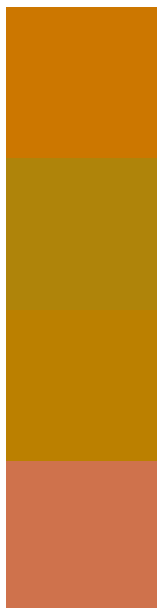
26.5190, 26.1222, 3.6444



Tritanopia

35.0266, 26.1107, 20.6465

Trichromacy



Original Color

31.4987, 26.0310, 3.3643

Protanomaly

25.9852, 25.6384, 3.8663

Deuteranomaly

28.2127, 26.0031, 3.5321

Tritanomaly

33.0539, 25.8218, 10.0795

Monochromacy



Original Color

31.4987, 26.0310, 3.3643

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

23.2513, 23.0724, 11.4116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4987, 26.0310, 3.3643 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(204, 119, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 119, 0)  
}
```

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(204, 119, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 119, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.4987, 26.0310, 3.3643 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(204, 119, 0) }
```


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

```
.border{ border-color:rgb(204, 119, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 119, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 119, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 119, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 119,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4987, 26.0310, 3.3643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 119, 0) }
```

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

```
.background{ background-color: rgb(204,  
119, 0) }
```

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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