

Converting Colors

XYZ(30.0316, 25.0990, 3.2617)

Have a look what the booklet for
XYZ(30.0316, 25.0990, 3.2617)
contains.

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Color

**XYZ(30.0316, 25.0990,
3.2617)**

Conversions

Conversions Part 1

Format	Color
Hex	C77600
RGB	199, 118, 0
RGB Percent	78%, 46%, 0%
CMY	0.2196, 0.5372, 1.0000
CMYK	0.00, 0.41, 1.00, 0.22
HSL	36°, 100%, 39%
HSV	36°, 100%, 78%
XYZ	30.0316, 25.0990, 3.2617
YIQ	128.7670, 86.1540, -19.5260

Conversions

Conversions Part 2

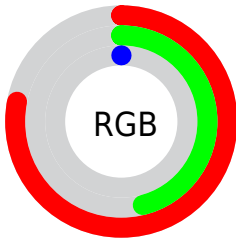
Format	Color
R_{YB}	137, 199, 0
Decimal	13071872
CIE _{Lab}	57.17, 25.16, 64.04
CIE _{LCh}	57, 68.808, 68.555
Yxy	25.0990, 0.5143, 0.4298
Android (android.graphics.Color)	4291261952 (0xFFC77600)
YUV	128.7670, -63.4821, 61.5943
Hunter-Lab	50.0989, 19.3281, 31.2091

Details

The XYZ color **30.0316, 25.0990, 3.2617** 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 **13.2511, 10.0082, 55.2657**, and the grayscale version is **20.9796, 22.0722, 24.0366**.

A 20% lighter version of the original color is **56.6278, 50.4147, 12.0566**, and **12.7756, 9.7452, 1.2077** is the 20% darker color. If you saturate the color by 10%, you get **30.0318, 25.0997, 3.2619**, and if you desaturate by 10%, it is **31.1528, 27.1409, 4.2542**.

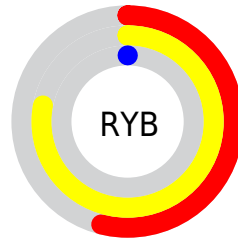
Distribution



Red (78%)

Green (46%)

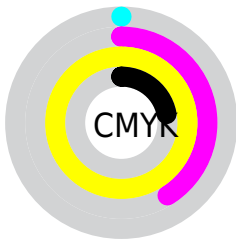
Blue (0%)



Red (54%)

Yellow (78%)

Blue (0%)

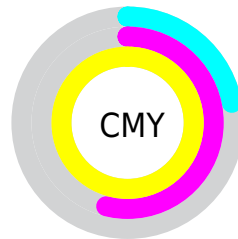


Cyan (0%)

Magenta (41%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (54%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.0316, 25.0990, 3.2617 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 30.0316, 25.0990, 3.2617 by changing the saturation by 10% instead.


 30.0316, 25.0990,
3.2617


 30.0316, 25.0990,
3.2617


293.9589,
278.3306, 139.6270


 20.0108, 16.1508,
1.2298


 59.0984, 51.8178,
12.2676


 12.5112, 9.6309,
0.0032


 78.8751, 70.3572,
20.0787

 7.1675, 5.1550,
0.0000


 102.6345, 92.8625,
30.6533

 3.6143, 2.3385,
0.0000

 130.7419,
119.7180, 44.4099

 1.4863, 0.7940,
0.0000

 163.5627,
151.3082, 61.7670


 0.3165, 0.0000,
0.0000


 201.4622,


 0.0000, 0.0000,


188.0174, 83.1432


0.0000


 244.8058,
230.2301, 108.9570


 30.0316, 25.0990,
3.2617


 30.0316, 25.0990,
3.2617


 30.0318, 25.0997,
3.2619

 31.1528, 27.1409,
4.2542

 32.4862, 29.4009,
5.9529

 34.0792, 31.9020,
8.5958

 35.9574, 34.6573,
12.3076

 38.1423, 37.6785,
17.1939

■ 40.6533, 40.9760,
23.3472

■ 43.5077, 44.5595,
30.8510

■ 46.7216, 48.4379,
39.7813

■ 50.3097, 52.6198,
50.2087

Harmonies

Analogous

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



38.2671, 25.0990, 7.8592



30.0316, 25.0990, 3.2617



21.6078, 25.0990, 2.6716

Triad

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



30.0316, 25.0990, 3.2617



11.5076, 25.0990, 34.5347



34.9703, 25.0990, 79.3311

Complementary

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



30.0316, 25.0990, 3.2617



13.2511, 10.0082, 55.2657

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.



26.2547, 25.0990, 99.6824



30.0316, 25.0990, 3.2617



13.6106, 25.0990, 65.7456

Square

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



30.0316, 25.0990, 3.2617



12.0746, 25.0990, 14.0235



18.5907, 25.0990, 93.6518



41.5390, 25.0990, 47.1534

Rectangle

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



30.0316, 25.0990, 3.2617



17.1438, 25.0990, 3.8634



18.5907, 25.0990, 93.6518



32.1244, 25.0990, 88.4251

Sweetspot

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



30.0322, 25.1003, 3.2622



75.9452, 77.7324, 53.3843



25.1113, 12.7654, 9.3078



15.7841, 16.0521, 10.1695



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.



30.0322, 25.1003, 3.2622



52.3407, 43.4613, 5.6302



39.8132, 50.8423, 7.7153



11.1479, 11.6649, 11.2268



19.3992, 16.3156, 2.1268



0.9884, 0.9123, 0.1240

Inverse Universe

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



13.2511, 10.0082, 55.2657



22.9791, 17.0781, 96.6930



10.5326, 4.2390, 54.2954



10.4052, 10.9845, 13.4893



8.6019, 6.5978, 35.5645



0.4781, 0.4541, 1.7076

Previews

White Background



This preview shows how the XYZ color 30.0316, 25.0990, 3.2617 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 30.0316, 25.0990, 3.2617 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 30.0316, 25.0990, 3.2617

Background



This preview shows how black text looks on a background with the XYZ color 30.0316, 25.0990, 3.2617.



This preview shows how white text looks on a background with the XYZ color 30.0316, 25.0990,

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

30.0316, 25.0990, 3.2617

Protanopia

22.6923, 25.1800, 4.1162

Deuteranopia

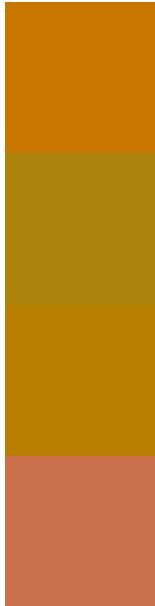
25.5719, 25.2313, 3.5223



Tritanopia

33.4745, 25.1564, 20.2309

Trichromacy



Original Color

30.0316, 25.0990, 3.2617

Protanomaly

24.9657, 24.9124, 3.7799

Deuteranomaly

26.9893, 24.9890, 3.4009

Tritanomaly

31.5322, 24.8748, 9.7960

Monochromacy



Original Color

30.0316, 25.0990, 3.2617

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

22.1830, 22.1465, 11.0882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0316, 25.0990, 3.2617 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, 118, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 118, 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(199, 118, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 118, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.0316, 25.0990, 3.2617 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, 118, 0) }
```


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

```
.border{ border-color:rgb(199, 118, 0) }
```

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

Here you see how a box with a 4 pixel rgb(199, 118, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 118, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 118, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 118,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0316, 25.0990, 3.2617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 118, 0) }
```

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

```
.background{ background-color: rgb(199,  
118, 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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