

Converting Colors

XYZ(25.8925, 16.7747, 1.8732)

Have a look what the booklet for
XYZ(25.8925, 16.7747, 1.8732)
contains.

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Color

**XYZ(25.8706, 16.7768,
1.8747)**

Conversions

Conversions Part 1

Format	Color
Hex	C74800
RGB	199, 72, 0
RGB Percent	78%, 28%, 0%
CMY	0.2196, 0.7176, 1.0000
CMYK	0.00, 0.64, 1.00, 0.22
HSL	22°, 100%, 39%
HSV	22°, 100%, 78%
XYZ	25.8706, 16.7768, 1.8747
YIQ	101.7650, 98.8040, 4.5320

Conversions

Conversions Part 2

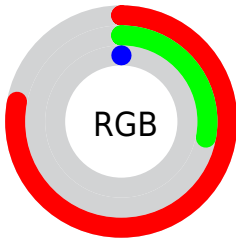
Format	Color
R_{YB}	199, 113, 0
Decimal	13060096
CIE _{Lab}	47.98, 48.27, 58.66
CIE _{LCh}	48, 75.969, 50.551
Yxy	16.7768, 0.5811, 0.3768
Android (android.graphics.Color)	4291250176 (0xFFC74800)
YUV	101.7650, -50.1701, 85.2751
Hunter-Lab	40.9595, 41.0640, 25.9580

Details

The XYZ color **25.8706, 16.7768, 1.8747** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **17.8975, 19.3009, 56.8148**, and the grayscale version is **12.6774, 13.3376, 14.5247**.

A 20% lighter version of the original color is **49.3630, 36.2430, 8.5316**, and **10.2619, 5.4513, 0.5113** is the 20% darker color. If you saturate the color by 10%, you get **25.8708, 16.7775, 1.8748**, and if you desaturate by 10%, it is **26.9040, 18.6432, 2.8378**.

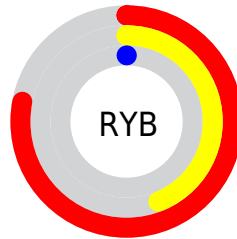
Distribution



Red (78%)

Green (28%)

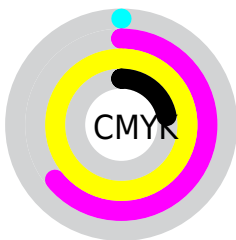
Blue (0%)



Red (78%)

Yellow (44%)

Blue (0%)

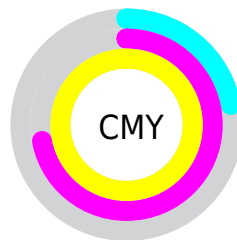


Cyan (0%)

Magenta (64%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (72%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 25.8706, 16.7768, 1.8747 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 25.8706, 16.7768, 1.8747 by changing the saturation by 10% instead.


 25.8706, 16.7768,
1.8747


 25.8706, 16.7768,
1.8747


 274.4146,
233.8828, 120.3998


 16.8590, 10.0755,
0.4766


 52.4989, 37.9416,
8.6953


 10.2287, 5.4490,
0.0000


 70.8464, 53.1739,
15.0325

 5.6143, 2.5131,
0.0000

 93.0365, 72.0186,
23.8790

 2.6504, 0.8832,
0.0000

 119.4346, 94.8602,
35.6533


 0.9717, 0.0000,
0.0000


 150.4062,
122.0830, 50.7740


 0.0000, 0.0000,
0.0000


 186.3165,


154.0715, 69.6596


 227.5308,
191.2100, 92.7287


 25.8706, 16.7768,
1.8747


 25.8706, 16.7768,
1.8747


 25.8708, 16.7775,
1.8748

 26.9040, 18.6432,
2.8378

 28.2451, 20.9186,
4.5389

 29.9482, 23.6399,
7.2184

 32.0452, 26.8330,
11.0030

 34.5639, 30.5216,
16.0003

■ 37.5290, 34.7275,
22.3049

■ 40.9634, 39.4709,
30.0018

■ 44.8881, 44.7711,
39.1689

■ 49.3227, 50.6461,
49.8782

Harmonies

Analogous

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



31.7424, 16.7768, 7.9632



25.8706, 16.7768, 1.8747



18.2088, 16.7768, 0.5441

Triad

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



25.8706, 16.7768, 1.8747



6.1588, 16.7768, 12.7450



21.0337, 16.7768, 81.2966

Complementary

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



25.8706, 16.7768, 1.8747



17.8975, 19.3009, 56.8148

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.



13.8786, 16.7768, 86.5173



25.8706, 16.7768, 1.8747



6.5154, 16.7768, 34.9771

Square

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



25.8706, 16.7768, 1.8747



7.7809, 16.7768, 3.2494



8.9525, 16.7768, 65.6576



28.4403, 16.7768, 54.2732

Rectangle

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



25.8706, 16.7768, 1.8747



13.6525, 16.7768, 0.5618



8.9525, 16.7768, 65.6576



18.4826, 16.7768, 86.1625

Sweetspot

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



25.8710, 16.7778, 1.8750



71.4410, 68.7241, 51.8829



27.5389, 13.7364, 22.0913



14.7221, 13.9281, 9.8155



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.



25.8710, 16.7778, 1.8750



45.0905, 28.9610, 3.2135



37.7690, 40.5739, 5.8410



10.9428, 11.2547, 11.1584



16.7119, 10.9410, 1.2310



0.8600, 0.6554, 0.0812

Inverse Universe

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



17.8975, 19.3009, 56.8148



31.0995, 33.3190, 99.3998



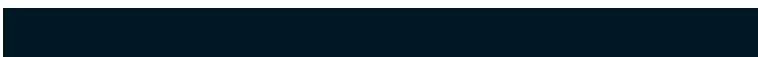
10.7693, 5.0446, 54.4387



10.6115, 11.3971, 13.5581



11.5940, 12.5819, 36.5618



0.6160, 0.7297, 1.7535

Previews

White Background



This preview shows how the XYZ color 25.8706, 16.7768, 1.8747 looks on a white 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

Black Background



This preview shows how the XYZ color 25.8706, 16.7768, 1.8747 looks on a black 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

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

XYZ 25.8706, 16.7768, 1.8747

Background



This preview shows how black text looks on a background with the XYZ color 25.8706, 16.7768, 1.8747.



This preview shows how white text looks on a background with the XYZ color 25.8706, 16.7768,

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

25.8706, 16.7768, 1.8747

Protanopia

15.3103, 16.9791, 3.1322

Deuteranopia

17.1457, 16.9570, 2.3694



Tritanopia

26.9639, 16.7486, 7.7729

Trichromacy



Original Color

25.8706, 16.7768, 1.8747

Protanomaly

17.8609, 15.8228, 2.4935

Deuteranomaly

19.6999, 16.3651, 2.1205

Tritanomaly

26.4212, 16.7251, 4.3183

Monochromacy



Original Color

25.8706, 16.7768, 1.8747

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

15.0117, 13.1822, 6.7542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8706, 16.7768, 1.8747 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, 72, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 72, 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, 72, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 72, 0) }
```

Border

The CSS property to change the border of an element to XYZ 25.8706, 16.7768, 1.8747 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, 72, 0) }
```


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

```
.border{ border-color:rgb(199, 72, 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, 72, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 72, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 72, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 72, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.8706, 16.7768, 1.8747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 72, 0) }
```

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

```
.background{ background-color: rgb(199, 72,  
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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