

Converting Colors

XYZ(25.8774, 17.0670, 2.3111)

Have a look what the booklet for
XYZ(25.8774, 17.0670, 2.3111)
contains.

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Color

**XYZ(25.8774, 17.0670,
2.3111)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | C64B0D |
| RGB | 198, 75, 13 |
| RGB Percent | 78%, 29%, 5% |
| CMY | 0.2235, 0.7058, 0.9490 |
| CMYK | 0.00, 0.62, 0.93, 0.22 |
| HSL | 20°, 88%, 41% |
| HSV | 20°, 93%, 78% |
| XYZ | 25.8774, 17.0670, 2.3111 |
| YIQ | 104.7090, 93.2100, 6.7940 |

Conversions

Conversions Part 2

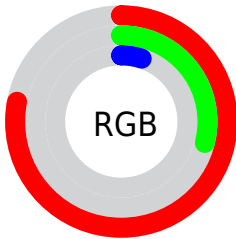
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 198, 106, 13 |
| Decimal | 12995341 |
| CIE _{Lab} | 48.34, 46.72, 55.56 |
| CIE _{LCh} | 48, 72.593, 49.943 |
| Yxy | 17.0670, 0.5718, 0.3771 |
| Android (android.graphics.Color) | 4291185421 (0xFFC64B0D) |
| YUV | 104.7090, -45.2125, 81.8162 |
| Hunter-Lab | 41.3122, 39.5135, 25.6017 |

Details

The XYZ color **25.8774, 17.0670, 2.3111** 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 **19.1621, 21.7690, 56.6174**, and the grayscale version is **13.4500, 14.1505, 15.4099**.

A 20% lighter version of the original color is **49.9425, 37.0917, 9.6814**, and **10.3538, 5.6351, 0.5420** is the 20% darker color. If you saturate the color by 10%, you get **25.2580, 15.9448, 1.7464**, and if you desaturate by 10%, it is **27.0641, 19.1220, 3.6888**.

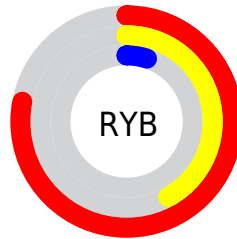
Distribution



Red (78%)

Green (29%)

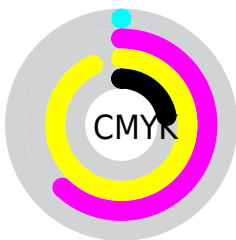
Blue (5%)



Red (78%)

Yellow (42%)

Blue (5%)

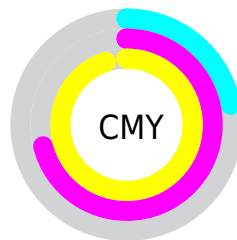


Cyan (0%)

Magenta (62%)

Yellow (93%)

Black (22%)



Cyan (22%)

Magenta (71%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8774, 17.0670, 2.3111 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 25.8774, 17.0670, 2.3111 by changing the saturation by 10% instead.

■ 25.8774, 17.0670,
2.3111

■ 25.8774, 17.0670,
2.3111

274.4475,
235.5582, 127.0345

■ 16.8641, 10.2823,
0.7374

■ 52.5098, 38.4409,
9.8751

■ 10.2324, 5.5865,
0.0000

■ 70.8597, 53.7989,
16.7198

■ 5.6167, 2.5953,
0.0000

■ 93.0524, 72.7835,
26.1644

■ 2.6519, 0.9243,
0.0000

■ 119.4535, 95.7790,
38.6275


■ 0.9725, 0.0000,
0.0000


■ 150.4282,
123.1698, 54.5274


■ 0.0000, 0.0000,
0.0000


■ 186.3418,


155.3403, 74.2829


 227.5598,
192.6750, 98.3124


 25.8774, 17.0670,
2.3111


 25.8774, 17.0670,
2.3111

 25.2580, 15.9448,
1.7464

 27.0641, 19.1220,
3.6888

 28.6082, 21.6316,
5.9878

 30.5450, 24.6262,
9.3432

 32.9042, 28.1322,
13.8673

 35.7124, 32.1739,
19.6576

■ 38.9935, 36.7738,
26.8014

■ 42.7700, 41.9530,
35.3783

■ 47.0626, 47.7315,
45.4615

■ 51.8907, 54.1284,
57.1192

Harmonies

Analogous

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



31.3833, 17.0670, 8.7109



25.8774, 17.0670, 2.3111



18.5493, 17.0670, 0.8302

Triad

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



25.8774, 17.0670, 2.3111



6.6343, 17.0670, 12.9128



20.9657, 17.0670, 78.2943

Complementary

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



25.8774, 17.0670, 2.3111



19.1621, 21.7690, 56.6174

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.



14.0974, 17.0670, 82.6157



25.8774, 17.0670, 2.3111



6.9523, 17.0670, 34.0094

Square

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



25.8774, 17.0670, 2.3111



8.2950, 17.0670, 3.6049



9.3276, 17.0670, 62.8241



28.0548, 17.0670, 53.3339

Rectangle

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



25.8774, 17.0670, 2.3111



14.1202, 17.0670, 0.8284



9.3276, 17.0670, 62.8241



18.5219, 17.0670, 82.6499

Sweetspot

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



25.8778, 17.0680, 2.3114



72.2917, 69.5876, 54.7494



27.9001, 14.0806, 24.6643



14.8647, 14.0561, 10.3480



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.



25.8778, 17.0680, 2.3114



44.5256, 27.8312, 3.0252



37.2103, 39.7331, 6.0889



10.9195, 11.2082, 11.1506



16.4973, 10.5117, 1.1595



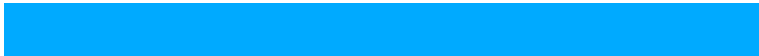
0.8482, 0.6318, 0.0772

Inverse Universe

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



19.1621, 21.7690, 56.6174



32.3368, 35.7937, 99.8123



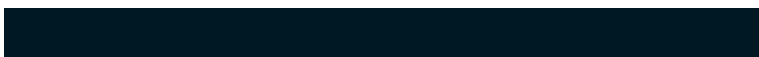
11.2535, 5.9518, 53.9812



10.6357, 11.4455, 13.5661



12.0442, 13.4823, 36.7119



0.6351, 0.7679, 1.7599

Previews

White Background



This preview shows how the XYZ color 25.8774, 17.0670, 2.3111 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 25.8774, 17.0670, 2.3111 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 25.8774, 17.0670, 2.3111

Background



This preview shows how black text looks on a background with the XYZ color 25.8774, 17.0670, 2.3111.



This preview shows how white text looks on a background with the XYZ color 25.8774, 17.0670,

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

25.8774, 17.0670, 2.3111

Protanopia

15.6268, 17.3068, 3.4366

Deuteranopia

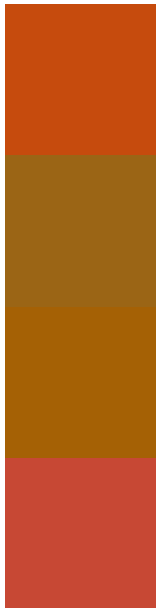
17.4300, 17.2629, 2.4134



Tritanopia

27.2456, 17.1541, 8.3536

Trichromacy



Original Color

25.8774, 17.0670, 2.3111

Protanomaly

18.3066, 16.3301, 2.8966

Deuteranomaly

19.8191, 16.5597, 2.2953

Tritanomaly

26.4904, 17.0248, 5.1387

Monochromacy



Original Color

25.8774, 17.0670, 2.3111

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

15.8199, 13.9623, 7.9921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8774, 17.0670, 2.3111 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, 75, 13)` looks like.

```
.text, #text, p{  
    color:rgb(198, 75, 13)  
}
```

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, 75, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 75, 13) }
```

Border

The CSS property to change the border of an element to XYZ 25.8774, 17.0670, 2.3111 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, 75, 13) }
```


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

```
.border{ border-color:rgb(198, 75, 13) }
```

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

Here you see how a box with a 4 pixel rgb(198, 75, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 75, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 75, 13);  
box-shadow:4px 4px 4px 4px rgb(198, 75,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8774, 17.0670, 2.3111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 75, 13) }
```

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

```
.background{ background-color: rgb(198, 75,  
13) }
```

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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