

Converting Colors

XYZ(25.4917, 16.0195, 1.7750)

Have a look what the booklet for
XYZ(25.4917, 16.0195, 1.7750)
contains.

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Color

**XYZ(25.5069, 16.0407,
1.7805)**

Conversions

Conversions Part 1

Format	Color
Hex	C74201
RGB	199, 66, 1
RGB Percent	78%, 26%, 0%
CMY	0.2196, 0.7411, 0.9961
CMYK	0.00, 0.67, 0.99, 0.22
HSL	20°, 99%, 39%
HSV	20°, 99%, 78%
XYZ	25.5069, 16.0407, 1.7805
YIQ	98.3570, 100.1330, 7.9810

Conversions

Conversions Part 2

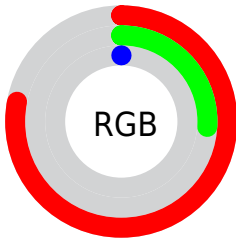
Format	Color
R_{YB}	199, 98, 1
Decimal	13058561
CIE Lab	47.03, 50.84, 57.90
CIE LCh	47, 77.055, 48.718
Yxy	16.0407, 0.5887, 0.3702
Android (android.graphics.Color)	4291248641 (0xFFC74201)
YUV	98.3570, -47.9970, 88.2639
Hunter-Lab	40.0508, 43.5911, 25.3998

Details

The XYZ color **25.5069, 16.0407, 1.7805** 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 **18.8455, 21.1783, 57.1271**, and the grayscale version is **11.7980, 12.4124, 13.5171**.

A 20% lighter version of the original color is **48.7459, 35.0087, 8.3258**, and **10.1533, 5.2342, 0.4752** is the 20% darker color. If you saturate the color by 10%, you get **25.4626, 15.9612, 1.7388**, and if you desaturate by 10%, it is **26.5106, 17.8420, 2.7513**.

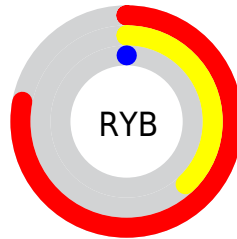
Distribution



Red (78%)

Green (26%)

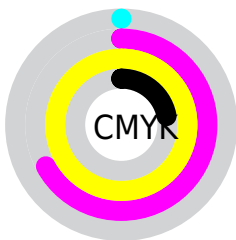
Blue (0%)



Red (78%)

Yellow (38%)

Blue (0%)

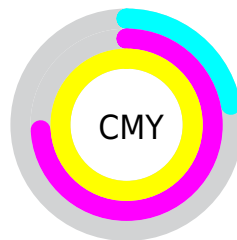


Cyan (0%)

Magenta (67%)

Yellow (99%)

Black (22%)



Cyan (22%)


Magenta (74%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 25.5069, 16.0407, 1.7805 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 25.5069, 16.0407, 1.7805 by changing the saturation by 10% instead.


 25.5069, 16.0407,
1.7805


 25.5069, 16.0407,
1.7805


 272.6543,
229.5818, 118.8695


 16.5859, 9.5530,
0.4150


 51.9154, 36.6688,
8.4315


 10.0331, 5.1036,
0.0000


 70.1335, 51.5780,
14.6519

 5.4834, 2.3082,
0.0000

 92.1814, 70.0632,
23.3602

 2.5712, 0.7780,
0.0000

 118.4244, 92.5086,
34.9749


 0.9313, 0.0000,
0.0000


 149.2278,
119.2988, 49.9147


 0.0000, 0.0000,
0.0000


 184.9570,


150.8182, 68.5980


 225.9774,
187.4510, 91.4435


 25.5069, 16.0407,
1.7805


 25.5069, 16.0407,
1.7805


 25.4626, 15.9612,
1.7388

 26.5106, 17.8420,
2.7513

 27.8415, 20.0841,
4.4890

 29.5525, 22.8060,
7.2173

 31.6768, 26.0370,
11.0626

 34.2434, 29.8033,
16.1322

■ 37.2785, 34.1295,
22.5203

■ 40.8059, 39.0383,
30.3122

■ 44.8479, 44.5512,
39.5858

■ 49.4251, 50.6885,
50.4132

Harmonies

Analogous

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



31.1292, 16.0407, 8.0499



25.5069, 16.0407, 1.7805



17.9277, 16.0407, 0.3857

Triad

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



25.5069, 16.0407, 1.7805



5.7346, 16.0407, 11.1586



19.7998, 16.0407, 81.5761

Complementary

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



25.5069, 16.0407, 1.7805



18.8455, 21.1783, 57.1271

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.



12.8464, 16.0407, 85.1106



25.5069, 16.0407, 1.7805



5.9645, 16.0407, 32.3074

Square

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



25.5069, 16.0407, 1.7805



7.4277, 16.0407, 2.6323



8.1889, 16.0407, 62.9051



27.2205, 16.0407, 55.2343

Rectangle

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



25.5069, 16.0407, 1.7805



13.3632, 16.0407, 0.3438



8.1889, 16.0407, 62.9051



17.2983, 16.0407, 85.9431

Sweetspot

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



25.5072, 16.0416, 1.7807



70.8280, 67.4981, 51.6786



28.0292, 13.9499, 24.6199



14.5791, 13.6421, 9.7679



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.



25.5072, 16.0416, 1.7807



44.3887, 27.5575, 2.9796



36.6025, 38.2322, 5.4792



10.9136, 11.1963, 11.1486



16.4450, 10.4072, 1.1420



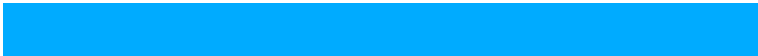
0.8452, 0.6259, 0.0763

Inverse Universe

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



18.8455, 21.1783, 57.1271



32.6656, 36.4512, 99.9219



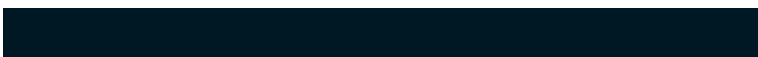
10.9923, 5.4720, 54.5093



10.6419, 11.4579, 13.5682



12.1636, 13.7212, 36.7517



0.6401, 0.7780, 1.7616

Previews

White Background



This preview shows how the XYZ color 25.5069, 16.0407, 1.7805 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 25.5069, 16.0407, 1.7805 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 25.5069, 16.0407, 1.7805

Background



This preview shows how black text looks on a background with the XYZ color 25.5069, 16.0407, 1.7805.



This preview shows how white text looks on a background with the XYZ color 25.5069, 16.0407,

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

25.5069, 16.0407, 1.7805

Protanopia

14.6447, 16.3000, 3.0838

Deuteranopia

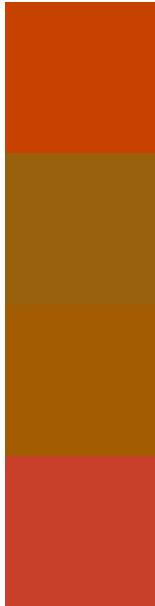
16.4130, 16.2662, 2.2746



Tritanopia

26.4962, 16.1063, 6.7133

Trichromacy



Original Color

25.5069, 16.0407, 1.7805

Protanomaly

17.3990, 15.1698, 2.4265

Deuteranomaly

18.9314, 15.4408, 1.9826

Tritanomaly

26.0148, 16.0015, 3.9080

Monochromacy



Original Color

25.5069, 16.0407, 1.7805

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

14.2167, 12.1654, 6.3015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.5069, 16.0407, 1.7805 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, 66, 1)` looks like.

```
.text, #text, p{  
    color:rgb(199, 66, 1)  
}
```

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, 66, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 66, 1) }
```

Border

The CSS property to change the border of an element to XYZ 25.5069, 16.0407, 1.7805 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, 66, 1) }
```


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

```
.border{ border-color:rgb(199, 66, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 66, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 66, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 66, 1);  
box-shadow:4px 4px 4px 4px rgb(199, 66, 1)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.5069, 16.0407, 1.7805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 66, 1) }
```

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

```
.background{ background-color: rgb(199, 66,  
1) }
```

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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