

Converting Colors

XYZ(25.4925, 16.0600, 1.7563)

Have a look what the booklet for
XYZ(25.4925, 16.0600, 1.7563)
contains.

XYZ(25.5014, 16.0385, 1.7517)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(25.5014, 16.0385,
1.7517)**

Conversions

Conversions Part 1

Format	Color
Hex	C74200
RGB	199, 66, 0
RGB Percent	78%, 26%, 0%
CMY	0.2196, 0.7411, 1.0000
CMYK	0.00, 0.67, 1.00, 0.22
HSL	20°, 100%, 39%
HSV	20°, 100%, 78%
XYZ	25.5014, 16.0385, 1.7517
YIQ	98.2430, 100.4540, 7.6700

Conversions

Conversions Part 2

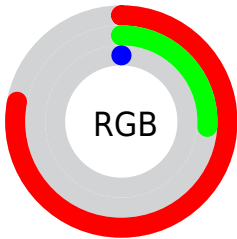
Format	Color
R_{YB}	199, 99, 0
Decimal	13058560
CIE _{Lab}	47.02, 50.83, 58.17
CIE _{LCh}	47, 77.251, 48.856
Yxy	16.0385, 0.5891, 0.3705
Android (android.graphics.Color)	4291248640 (0xFFC74200)
YUV	98.2430, -48.4338, 88.3639
Hunter-Lab	40.0481, 43.5792, 25.4403

Details

The XYZ color **25.5014, 16.0385, 1.7517** 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 **18.6956, 20.8972, 57.0806**, and the grayscale version is **11.7704, 12.3834, 13.4855**.

A 20% lighter version of the original color is **48.7202, 34.9984, 8.1905**, and **10.1533, 5.2342, 0.4752** is the 20% darker color. If you saturate the color by 10%, you get **25.5016, 16.0391, 1.7518**, and if you desaturate by 10%, it is **26.4967, 17.8287, 2.7021**.

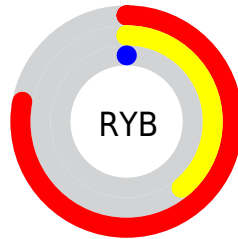
Distribution



Red (78%)

Green (26%)

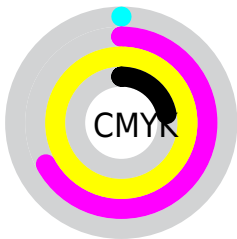
Blue (0%)



Red (78%)

Yellow (39%)

Blue (0%)

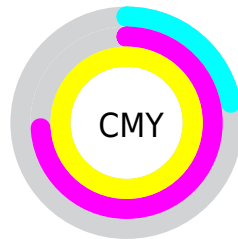


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (74%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 25.5014, 16.0385, 1.7517 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 25.5014, 16.0385, 1.7517 by changing the saturation by 10% instead.


 25.5014, 16.0385,
1.7517


 25.5014, 16.0385,
1.7517


 272.6276,
229.5688, 118.3936


 16.5817, 9.5514,
0.3958


 51.9065, 36.6650,
8.3501


 10.0302, 5.1026,
0.0000


 70.1227, 51.5732,
14.5342

 5.4814, 2.3076,
0.0000

 92.1684, 70.0573,
23.1994

 2.5700, 0.7777,
0.0000

 118.4090, 92.5016,
34.7645

 0.9307, 0.0000,
0.0000


 149.2099,
119.2905, 49.6479


 0.0000, 0.0000,
0.0000


 184.9364,


150.8084, 68.2682


 225.9539,
187.4397, 91.0440


 25.5014, 16.0385,
1.7517


 25.5014, 16.0385,
1.7517


 25.5016, 16.0391,
1.7518

 26.4967, 17.8287,
2.7021

 27.8126, 20.0538,
4.3949

 29.5052, 22.7540,
7.0709

 31.6077, 25.9581,
10.8574

 34.1492, 29.6924,
15.8624

■ 37.1559, 33.9812,
22.1808

■ 40.6514, 38.8470,
29.8982

■ 44.6581, 44.3111,
39.0927

■ 49.1965, 50.3935,
49.8367

Harmonies

Analogous

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



31.1599, 16.0385, 7.9798



25.5014, 16.0385, 1.7517



17.8982, 16.0385, 0.3694

Triad

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



25.5014, 16.0385, 1.7517



5.7134, 16.0385, 11.2086



19.8453, 16.0385, 81.7390

Complementary

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



25.5014, 16.0385, 1.7517



18.6956, 20.8972, 57.0806

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.



12.8663, 16.0385, 85.4209



25.5014, 16.0385, 1.7517



5.9520, 16.0385, 32.4780

Square

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



25.5014, 16.0385, 1.7517



7.3982, 16.0385, 2.6331



8.1887, 16.0385, 63.2061



27.2844, 16.0385, 55.2179

Rectangle

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



25.5014, 16.0385, 1.7517



13.3283, 16.0385, 0.3319



8.1887, 16.0385, 63.2061



17.3352, 16.0385, 86.1671

Sweetspot

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



25.5017, 16.0394, 1.7519



70.8892, 67.6204, 51.6990



27.9959, 13.9192, 24.4978



14.5934, 13.6706, 9.7726



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.



25.5017, 16.0394, 1.7519



44.4556, 27.6911, 3.0019



36.5646, 38.1652, 5.4396



10.9165, 11.2021, 11.1496



16.4705, 10.4583, 1.1506



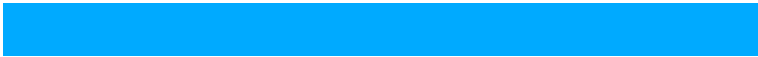
0.8467, 0.6288, 0.0767

Inverse Universe

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



18.6956, 20.8972, 57.0806



32.5035, 36.1270, 99.8678



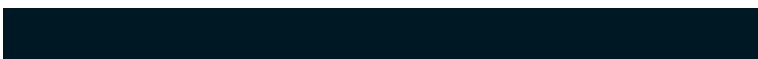
10.9545, 5.4149, 54.5002



10.6389, 11.4518, 13.5672



12.1047, 13.6034, 36.7321



0.6376, 0.7730, 1.7607

Previews

White Background



This preview shows how the XYZ color 25.5014, 16.0385, 1.7517 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 25.5014, 16.0385, 1.7517 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 25.5014, 16.0385, 1.7517

Background



This preview shows how black text looks on a background with the XYZ color 25.5014, 16.0385, 1.7517.



This preview shows how white text looks on a background with the XYZ color 25.5014, 16.0385,

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

25.5014, 16.0385, 1.7517

Protanopia

14.6447, 16.3000, 3.0838

Deuteranopia

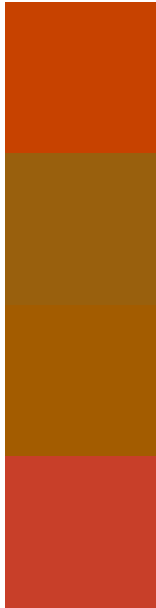
16.4130, 16.2662, 2.2746



Tritanopia

26.4962, 16.1063, 6.7133

Trichromacy



Original Color

25.5014, 16.0385, 1.7517

Protanomaly

17.3924, 15.1671, 2.3916

Deuteranomaly

18.9314, 15.4408, 1.9826

Tritanomaly

25.9972, 15.9945, 3.8149

Monochromacy



Original Color

25.5014, 16.0385, 1.7517

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

14.1890, 12.1543, 6.1556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.5014, 16.0385, 1.7517 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 66, 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, 66, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 66, 0) }
```

Border

The CSS property to change the border of an element to XYZ 25.5014, 16.0385, 1.7517 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, 0) }
```


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

```
.border{ border-color:rgb(199, 66, 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, 66, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 66, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 66, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 66, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.5014, 16.0385, 1.7517 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, 0) }
```

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

```
.background{ background-color: rgb(199, 66,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor