

# Converting Colors

XYZ(25.8769, 16.8221, 2.1825)

Have a look what the booklet for  
XYZ(25.8769, 16.8221, 2.1825)  
contains.

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# Color

**XYZ(25.9905, 16.9291,  
2.1850)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C7490A
RGB	199, 73, 10
RGB Percent	78%, 29%, 4%
CMY	0.2196, 0.7137, 0.9608
CMYK	0.00, 0.63, 0.95, 0.22
HSL	20°, 90%, 41%
HSV	20°, 95%, 78%
XYZ	25.9905, 16.9291, 2.1850
YIQ	103.4920, 95.3190, 7.1190

# Conversions

## Conversions Part 2

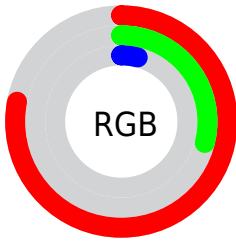
Format	Color
R <sub>Y</sub> B	199, 105, 10
Decimal	13060362
CIE Lab	48.17, 47.94, 56.29
CIE LCh	48, 73.936, 49.581
Yxy	16.9291, 0.5762, 0.3753
Android (android.graphics.Color)	4291250442 (0xFFC7490A)
YUV	103.4920, -46.0916, 83.7605
Hunter-Lab	41.1450, 40.7513, 25.6529

# Details

The XYZ color **25.9905, 16.9291, 2.1850** 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 **19.2376, 21.7953, 57.2253**, and the grayscale version is **13.1245, 13.8080, 15.0369**.

A 20% lighter version of the original color is **49.6550, 36.5634, 9.4414**, and **10.4480, 5.5813, 0.5266** is the 20% darker color. If you saturate the color by 10%, you get **25.5210, 16.0781, 1.7583**, and if you desaturate by 10%, it is **27.1358, 18.9347, 3.4465**.

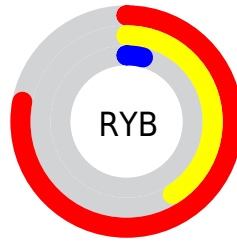
# Distribution



Red (78%)

Green (29%)

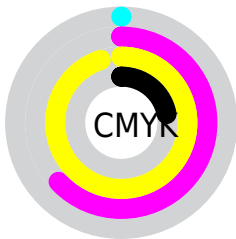
Blue (4%)



Red (78%)

Yellow (41%)

Blue (4%)

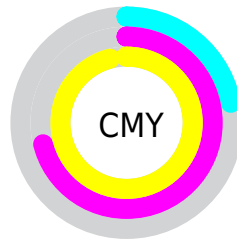


Cyan (0%)

Magenta (63%)

Yellow (95%)

Black (22%)



Cyan (22%)

Magenta (71%)


Yellow (96%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.9905, 16.9291, 2.1850 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 25.9905, 16.9291, 2.1850 by changing the saturation by 10% instead.





 25.9905, 16.9291,  
2.1850


 25.9905, 16.9291,  
2.1850


274.9930,  
234.7635, 125.1864


 16.9492, 10.1840,  
0.6657


 52.6910, 38.2038,  
9.5407


 10.2933, 5.5211,  
0.0000


 71.0809, 53.5022,  
16.2439

 5.6576, 2.5561,  
0.0000

 93.3178, 72.4205,  
25.5221

 2.6767, 0.9047,  
0.0000

 119.7669, 95.3430,  
37.7937


 0.9852, 0.0000,  
0.0000


 150.7936,  
122.6541, 53.4775


 0.0000, 0.0000,  
0.0000


 186.7633,


154.7383, 72.9918


 228.0413,  
191.9800, 96.7553


 25.9905, 16.9291,  
2.1850


 25.9905, 16.9291,  
2.1850


 25.5210, 16.0781,  
1.7583

 27.1358, 18.9347,  
3.4465

 28.6377, 21.3970,  
5.6162

 30.5327, 24.3476,  
8.8359

 32.8518, 27.8137,  
13.2220

 35.6223, 31.8205,  
18.8753

■ 38.8690, 36.3910,  
25.8857

■ 42.6149, 41.5471,  
34.3347

■ 46.8811, 47.3093,  
44.2975

■ 51.6878, 53.6971,  
55.8438

# Harmonies

## Analogous

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



31.5665, 16.9291, 8.6147



25.9905, 16.9291, 2.1850



18.5387, 16.9291, 0.7226

# Triad

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



25.9905, 16.9291, 2.1850



6.4440, 16.9291, 12.5251



20.8141, 16.9291, 79.7724

# Complementary

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



25.9905, 16.9291, 2.1850



19.2376, 21.7953, 57.2253

# 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.



13.8681, 16.9291, 83.8991



25.9905, 16.9291, 2.1850



6.7382, 16.9291, 33.7988

# Square

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



25.9905, 16.9291, 2.1850



8.1305, 16.9291, 3.3550



9.0906, 16.9291, 63.3085



28.0491, 16.9291, 54.2739



# Rectangle

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



25.9905, 16.9291, 2.1850



14.0370, 16.9291, 0.7095



9.0906, 16.9291, 63.3085



18.3353, 16.9291, 84.1570

# Sweetspot

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



25.9909, 16.9301, 2.1853



72.2602, 69.5246, 54.7389



28.1056, 14.1368, 24.5403



14.8573, 14.0413, 10.3455



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.



25.9909, 16.9301, 2.1853



44.4890, 27.7581, 3.0130



37.5183, 39.9850, 6.0278



10.9179, 11.2050, 11.1501



16.4833, 10.4838, 1.1548



0.8474, 0.6302, 0.0770

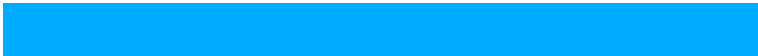


# Inverse Universe

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



19.2376, 21.7953, 57.2253



32.4234, 35.9669, 99.8411



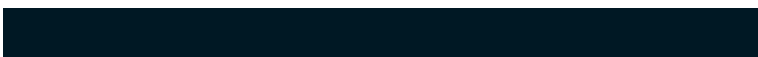
11.2444, 5.8090, 54.5609



10.6373, 11.4488, 13.5667



12.0757, 13.5452, 36.7224



0.6364, 0.7706, 1.7603



# Previews

## White Background



This preview shows how the XYZ color 25.9905, 16.9291, 2.1850 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 25.9905, 16.9291, 2.1850 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 25.9905, 16.9291, 2.1850**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.9905, 16.9291, 2.1850.



This preview shows how white text looks on a background with the XYZ color 25.9905, 16.9291,



# 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

25.9905, 16.9291, 2.1850

### Protanopia

15.4913, 17.0692, 3.2888

### Deuteranopia

17.1457, 16.9570, 2.3694



## Tritanopia

27.0562, 16.8815, 7.9633

# Trichromacy



## Original Color

25.9905, 16.9291, 2.1850

## Protanomaly

18.1839, 16.1266, 2.7266

## Deuteranomaly

19.7218, 16.3738, 2.2359

## Tritanomaly

26.5640, 16.8814, 4.7641

# Monochromacy



## Original Color

25.9905, 16.9291, 2.1850

## Achromatopsia

12.8919, 13.5633, 14.7705

## Achromatomaly

15.3826, 13.4872, 7.4228

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.9905, 16.9291, 2.1850 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, 73, 10)` looks like.

```
.text, #text, p{  
    color:rgb(199, 73, 10)  
}
```

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, 73, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 73, 10) }
```

## Border

The CSS property to change the border of an element to XYZ 25.9905, 16.9291, 2.1850 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, 73, 10) }
```



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

```
.border{ border-color:rgb(199, 73, 10) }
```

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

Here you see how a box with a 4 pixel rgb(199, 73, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 73, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 73, 10);  
box-shadow:4px 4px 4px 4px rgb(199, 73,  
10) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.9905, 16.9291, 2.1850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 73, 10) }
```

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

```
.background{ background-color: rgb(199, 73,  
10) }
```

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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