

# Converting Colors

$Y_{xy}(25.9918, 0.5175, 0.4273)$

Have a look what the booklet for  
Yxy(25.9918, 0.5175, 0.4273)  
contains.

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**Color**

**Yxy(26.0310, 0.5173, 0.4275)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CC7700
RGB	204, 119, 0
RGB Percent	80%, 47%, 0%
CMY	0.2000, 0.5333, 1.0000
CMYK	0.00, 0.42, 1.00, 0.20
HSL	35°, 100%, 40%
HSV	35°, 100%, 80%
XYZ	31.4990, 26.0310, 3.3612
YIQ	130.8490, 88.8590, -18.9890

# Conversions

## Conversions Part 2

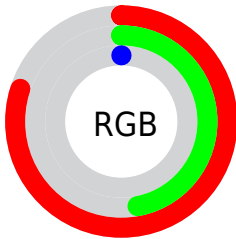
Format	Color
R <sub>Y</sub> B	146, 204, 0
Decimal	13399808
CIE Lab	58.07, 26.76, 64.96
CIE LCh	58, 70.257, 67.612
Yxy	26.0310, 0.5173, 0.4275
Android (android.graphics.Color)	4291589888 (0xFFCC7700)
YUV	130.8490, -64.5086, 64.1534
Hunter-Lab	51.0206, 20.9161, 31.8084

# Details

The Yxy color **26.0310, 0.5173, 0.4275** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **10.8566, 0.1695, 0.1300**, and the grayscale version is **22.8523, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.1824, 0.4731, 0.4245**, and **10.2200, 0.5408, 0.4088** is the 20% darker color. If you saturate the color by 10%, you get **26.0326, 0.5173, 0.4275**, and if you desaturate by 10%, it is **28.1992, 0.5007, 0.4319**.

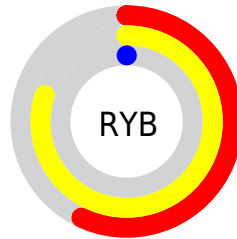
# Distribution



Red (80%)

Green (47%)

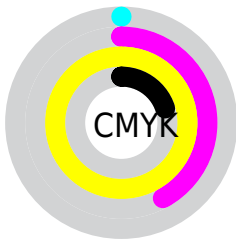
Blue (0%)



Red (57%)

Yellow (80%)

Blue (0%)

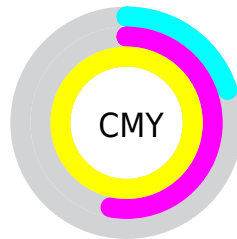


Cyan (0%)

Magenta (42%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (53%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.0310, 0.5173, 0.4275 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 Yxy color 26.0310, 0.5173, 0.4275 by changing the saturation by 10% instead.





 26.0310, 0.5173,  
0.4275


 26.0310, 0.5173,  
0.4275


282.9342, 0.4150,  
0.3906


 16.8468, 0.5383,  
0.4291


 53.3250, 0.4826,  
0.4191

 10.1253, 0.5673,  
0.4307


 72.2035, 0.4686,  
0.4143


 5.4821, 0.5853,  
0.4147

 95.0824, 0.4564,  
0.4096

 2.5328, 0.6110,  
0.3890

 122.3458, 0.4459,  
0.4052

 0.8930, 0.6542,  
0.3458

 154.3784, 0.4366,  
0.4011

 0.0000, 1.0000,  
0.0000

 191.5644, 0.4285,

 0.0000, 0.0000,

0.3973

0.0000

234.2882, 0.4214,  
0.3938

26.0310, 0.5173,  
0.4275

26.0310, 0.5173,  
0.4275

26.0326, 0.5173,  
0.4275

28.1992, 0.5007,  
0.4319

30.6061, 0.4810,  
0.4317

33.2766, 0.4586,  
0.4263

36.2248, 0.4349,  
0.4167

39.4635, 0.4109,  
0.4040

■ 43.0039, 0.3878,  
0.3895

■ 46.8567, 0.3662,  
0.3741

■ 51.0317, 0.3464,  
0.3585

■ 55.5382, 0.3286,  
0.3434

# Harmonies

## Analogous

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



26.0310, 0.5385, 0.3499



26.0310, 0.5173, 0.4275



26.0310, 0.4410, 0.5071

# Triad

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



26.0310, 0.5173, 0.4275



26.0310, 0.1623, 0.3573



26.0310, 0.2473, 0.1782

# Complementary

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



26.0310, 0.5173, 0.4275



10.8566, 0.1695, 0.1300

# 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.



26.0310, 0.1711, 0.1652



26.0310, 0.5173, 0.4275



26.0310, 0.1295, 0.2421

# Square

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



26.0310, 0.5173, 0.4275



26.0310, 0.2380, 0.4955



26.0310, 0.1336, 0.1828



26.0310, 0.3615, 0.2182



# Rectangle

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



26.0310, 0.5173, 0.4275



26.0310, 0.3751, 0.5450



26.0310, 0.1336, 0.1828



26.0310, 0.2172, 0.1708

# Sweetspot

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



26.0326, 0.5173, 0.4275



77.3372, 0.3670, 0.3747



13.4938, 0.5326, 0.2708



15.9582, 0.3760, 0.3813



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



26.0326, 0.5173, 0.4275



42.6769, 0.5188, 0.4262



53.7526, 0.4047, 0.5169



12.2827, 0.3276, 0.3425



16.5721, 0.5155, 0.4289



1.0027, 0.4918, 0.4477



# Inverse Universe

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



10.8566, 0.1695, 0.1300



17.5790, 0.1688, 0.1278



4.4790, 0.1524, 0.0613



11.5992, 0.2983, 0.3151



7.0077, 0.1702, 0.1326



0.5103, 0.1810, 0.1716



# Previews

## White Background



This preview shows how the Yxy color 26.0310, 0.5173, 0.4275 looks on a white 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



# Black Background



This preview shows how the Yxy color 26.0310, 0.5173, 0.4275 looks on a black 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

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

**Yxy 26.0310, 0.5173, 0.4275**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.0310, 0.5173, 0.4275.



This preview shows how white text looks on a background with the Yxy color 26.0310, 0.5173, 0.4275.

# 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

26.0310, 0.5173, 0.4275

### Protanopia

26.0627, 0.4372, 0.4834

### Deuteranopia

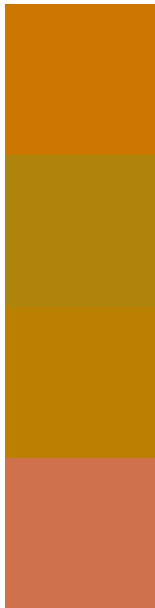
26.1222, 0.4712, 0.4641



## Tritanopia

26.1107, 0.4283, 0.3193

# Trichromacy



## Original Color

26.0310, 0.5173, 0.4275

## Protanomaly

25.6384, 0.4683, 0.4620

## Deuteranomaly

26.0031, 0.4885, 0.4503

## Tritanomaly

25.8218, 0.4794, 0.3745

# Monochromacy



## Original Color

26.0310, 0.5173, 0.4275

## Achromatopsia

22.6966, 0.3127, 0.3290

## Achromatomaly

23.0724, 0.4027, 0.3996

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  26.0310, 0.5173, 0.4275 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(204, 119, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 119, 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(204, 119, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 119, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 26.0310, 0.5173, 0.4275 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(204, 119, 0) }
```

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

```
.border{ border-color:rgb(204, 119, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 119, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 119, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 119, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 119,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.0310, 0.5173, 0.4275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 119, 0) }
```

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

```
.background{ background-color: rgb(204,  
119, 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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