

Converting Colors

$Y_{xy}(25.6661, 0.5195, 0.4257)$

Have a look what the booklet for
Yxy(25.6661, 0.5195, 0.4257)
contains.

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Color

Yxy(25.5599, 0.5201, 0.4252)

Conversions

Conversions Part 1

Format	Color
Hex	CC7500
RGB	204, 117, 0
RGB Percent	80%, 46%, 0%
CMY	0.2000, 0.5412, 0.9996
CMYK	0.00, 0.43, 1.00, 0.20
HSL	34°, 100%, 40%
HSV	34°, 100%, 80%
XYZ	31.2646, 25.5599, 3.2882
YIQ	129.6750, 89.4090, -17.9430

Conversions

Conversions Part 2

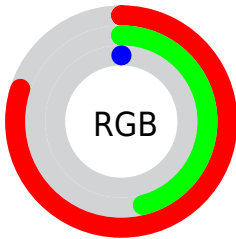
Format	Color
R_{YB}	152, 204, 0
Decimal	13399296
CIE _{Lab}	57.62, 27.84, 64.64
CIE _{LCh}	58, 70.382, 66.703
Yxy	25.5599, 0.5201, 0.4252
Android (android.graphics.Color)	4291589376 (0xFFCC7500)
YUV	129.6750, -63.9298, 65.1830
Hunter-Lab	50.5568, 21.9109, 31.5336

Details

The Yxy color **25.5599, 0.5201, 0.4252** 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 **11.1923, 0.1703, 0.1332**, and the grayscale version is **22.4132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4268, 0.4749, 0.4227**, and **9.9739, 0.5448, 0.4056** is the 20% darker color. If you saturate the color by 10%, you get **25.5519, 0.5202, 0.4252**, and if you desaturate by 10%, it is **27.7370, 0.5030, 0.4299**.

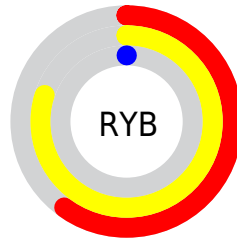
Distribution



Red (80%)

Green (46%)

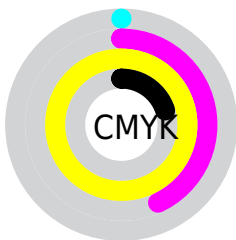
Blue (0%)



Red (60%)

Yellow (80%)

Blue (0%)

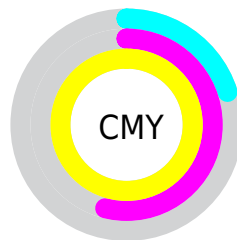


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (54%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.5599, 0.5201, 0.4252 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 25.5599, 0.5201, 0.4252 by changing the saturation by 10% instead.


 25.5599, 0.5201,
0.4252


 25.5599, 0.5201,
0.4252


280.6149, 0.4160,
0.3897


 16.4947, 0.5415,
0.4263


 52.5641, 0.4846,
0.4174


 9.8749, 0.5717,
0.4276


 71.2719, 0.4704,
0.4128

 5.3161, 0.5899,
0.4101

 93.9626, 0.4580,
0.4083

 2.4339, 0.6169,
0.3831

 121.0208, 0.4473,
0.4039

 0.8432, 0.6627,
0.3373

 152.8307, 0.4379,
0.3999

 0.0000, 1.0000,
0.0000


 189.7767, 0.4297,


 0.0000, 0.0000,


0.3962


0.0000


 232.2433, 0.4224,
0.3928


 25.5599, 0.5201,
0.4252


 25.5599, 0.5201,
0.4252


 25.5519, 0.5202,
0.4252

 27.7370, 0.5030,
0.4299

 30.1612, 0.4829,
0.4298

 32.8575, 0.4600,
0.4247

 35.8403, 0.4358,
0.4152

 39.1226, 0.4115,
0.4028

■ 42.7161, 0.3881,
0.3885

■ 46.6316, 0.3663,
0.3733

■ 50.8793, 0.3464,
0.3580

■ 55.4687, 0.3285,
0.3431

Harmonies

Analogous

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



25.5599, 0.5395, 0.3474



25.5599, 0.5201, 0.4252



25.5599, 0.4443, 0.5057

Triad

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



25.5599, 0.5201, 0.4252



25.5599, 0.1630, 0.3617



25.5599, 0.2438, 0.1766

Complementary

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



25.5599, 0.5201, 0.4252



11.1923, 0.1703, 0.1332

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.



25.5599, 0.1686, 0.1643



25.5599, 0.5201, 0.4252



25.5599, 0.1289, 0.2440

Square

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



25.5599, 0.5201, 0.4252



25.5599, 0.2402, 0.5005



25.5599, 0.1320, 0.1830



25.5599, 0.3579, 0.2159

Rectangle

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



25.5599, 0.5201, 0.4252



25.5599, 0.3783, 0.5454



25.5599, 0.1320, 0.1830



25.5599, 0.2141, 0.1694

Sweetspot

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



25.5613, 0.5201, 0.4252



76.9284, 0.3672, 0.3739



13.5522, 0.5255, 0.2669



15.8610, 0.3763, 0.3805



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.



25.5613, 0.5201, 0.4252



41.8794, 0.5218, 0.4239



54.1883, 0.4076, 0.5145



12.2636, 0.3276, 0.3423



16.2698, 0.5184, 0.4266



0.9880, 0.4939, 0.4460

Inverse Universe

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



11.1923, 0.1703, 0.1332



18.1147, 0.1697, 0.1308



4.4527, 0.1519, 0.0611



11.6178, 0.2983, 0.3154



7.2150, 0.1710, 0.1357



0.5217, 0.1818, 0.1743

Previews

White Background



This preview shows how the Yxy color 25.5599, 0.5201, 0.4252 looks on a white background.

Color Contrast Check

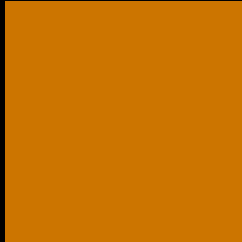
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.5599, 0.5201, 0.4252 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 25.5599, 0.5201, 0.4252

Background



This preview shows how black text looks on a background with the Yxy color 25.5599, 0.5201, 0.4252.



This preview shows how white text looks on a background with the Yxy color 25.5599, 0.5201, 0.4252.

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

25.5599, 0.5201, 0.4252

Protanopia

25.6707, 0.4373, 0.4832

Deuteranopia

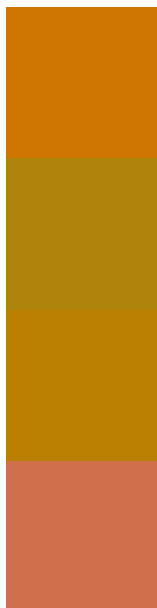
25.7326, 0.4715, 0.4638



Tritanopia

25.6315, 0.4322, 0.3193

Trichromacy



Original Color

25.5599, 0.5201, 0.4252

Protanomaly

25.2532, 0.4686, 0.4617

Deuteranomaly

25.6178, 0.4890, 0.4500

Tritanomaly

25.3482, 0.4835, 0.3741

Monochromacy



Original Color

25.5599, 0.5201, 0.4252

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.4599, 0.4030, 0.3970

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.5599, 0.5201, 0.4252 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, 117, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 117, 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, 117, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 117, 0) }
```

Border

The CSS property to change the border of an element to Yxy 25.5599, 0.5201, 0.4252 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, 117, 0) }
```

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

```
.border{ border-color:rgb(204, 117, 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, 117, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 117, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 117, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 117,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 25.5599, 0.5201, 0.4252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 117, 0) }
```

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

```
.background{ background-color: rgb(204,  
117, 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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