

Converting Colors

$Y_{xy}(25.3666, 0.5213, 0.4243)$

Have a look what the booklet for
Yxy(25.3666, 0.5213, 0.4243)
contains.

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Color

Yxy(25.3282, 0.5215, 0.4241)

Conversions

Conversions Part 1

Format	Color
Hex	CC7400
RGB	204, 116, 0
RGB Percent	80%, 45%, 0%
CMY	0.2000, 0.5450, 0.9998
CMYK	0.00, 0.43, 1.00, 0.20
HSL	34°, 100%, 40%
HSV	34°, 100%, 80%
XYZ	31.1451, 25.3282, 3.2489
YIQ	129.0880, 89.6840, -17.4200

Conversions

Conversions Part 2

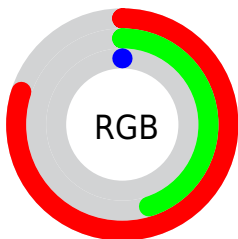
Format	Color
R _Y B	155, 204, 0
Decimal	13399040
CIE Lab	57.39, 28.36, 64.51
CIE LCh	57, 70.466, 66.270
Yxy	25.3282, 0.5215, 0.4241
Android (android.graphics.Color)	4291589120 (0xFFCC7400)
YUV	129.0880, -63.6404, 65.6978
Hunter-Lab	50.3271, 22.3930, 31.4015

Details

The Yxy color **25.3282, 0.5215, 0.4241** 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 **11.3451, 0.1707, 0.1346**, and the grayscale version is **22.1932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0412, 0.4764, 0.4224**, and **9.8539, 0.5468, 0.4040** is the 20% darker color. If you saturate the color by 10%, you get **25.3232, 0.5215, 0.4241**, and if you desaturate by 10%, it is **27.5078, 0.5042, 0.4289**.

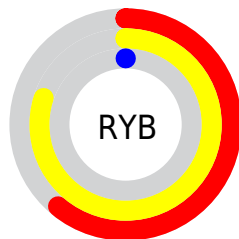
Distribution



Red (80%)

Green (45%)

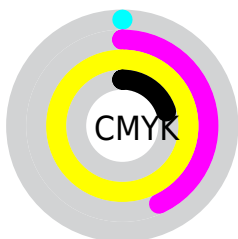
Blue (0%)



Red (61%)

Yellow (80%)

Blue (0%)

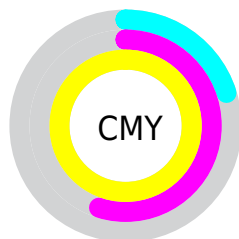


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (55%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.3282, 0.5215, 0.4241 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 25.3282, 0.5215, 0.4241 by changing the saturation by 10% instead.


 25.3282, 0.5215,
0.4241


 25.3282, 0.5215,
0.4241


279.4685, 0.4165,
0.3893


 16.3217, 0.5432,
0.4250

 52.1892, 0.4857,
0.4166


 9.7521, 0.5739,
0.4261


 70.8125, 0.4713,
0.4121


 5.2349, 0.5921,
0.4079

 93.4102, 0.4589,
0.4076

 2.3857, 0.6198,
0.3802

 120.3666, 0.4480,
0.4034

 0.8185, 0.6670,
0.3330

 152.0663, 0.4386,
0.3994


 0.0000, 1.0000,
0.0000


 188.8936, 0.4303,


 0.0000, 0.0000,


0.3957

0.0000


 231.2329, 0.4230,
0.3924

 25.3282, 0.5215,
0.4241

 25.3282, 0.5215,
0.4241


 25.3232, 0.5215,
0.4241

 27.5078, 0.5042,
0.4289

 29.9383, 0.4839,
0.4290

 32.6446, 0.4608,
0.4239

 35.6417, 0.4363,
0.4146

 38.9425, 0.4118,
0.4022

■ 42.5589, 0.3883,
0.3880

■ 46.5019, 0.3664,
0.3729

■ 50.7818, 0.3465,
0.3578

■ 55.4082, 0.3286,
0.3430

Harmonies

Analogous

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



25.3282, 0.5401, 0.3462



25.3282, 0.5215, 0.4241



25.3282, 0.4459, 0.5051

Triad

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



25.3282, 0.5215, 0.4241



25.3282, 0.1632, 0.3638



25.3282, 0.2422, 0.1757

Complementary

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



25.3282, 0.5215, 0.4241



11.3451, 0.1707, 0.1346

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.



25.3282, 0.1674, 0.1638



25.3282, 0.5215, 0.4241



25.3282, 0.1285, 0.2449

Square

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



25.3282, 0.5215, 0.4241



25.3282, 0.2412, 0.5030



25.3282, 0.1312, 0.1830



25.3282, 0.3562, 0.2148

Rectangle

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



25.3282, 0.5215, 0.4241



25.3282, 0.3798, 0.5456



25.3282, 0.1312, 0.1830



25.3282, 0.2125, 0.1686

Sweetspot

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



25.3296, 0.5215, 0.4241



76.7356, 0.3673, 0.3736



13.5487, 0.5256, 0.2669



15.8153, 0.3765, 0.3801



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.



25.3296, 0.5215, 0.4241



41.5081, 0.5232, 0.4228



54.1778, 0.4076, 0.5145



12.2546, 0.3276, 0.3422



16.1289, 0.5197, 0.4255



0.9811, 0.4949, 0.4452

Inverse Universe

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



11.3451, 0.1707, 0.1346



18.3738, 0.1701, 0.1323



4.4511, 0.1519, 0.0610



11.6267, 0.2983, 0.3155



7.3151, 0.1714, 0.1371



0.5272, 0.1821, 0.1756

Previews

White Background



This preview shows how the Yxy color 25.3282, 0.5215, 0.4241 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 25.3282, 0.5215, 0.4241 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 25.3282, 0.5215, 0.4241

Background



This preview shows how black text looks on a background with the Yxy color 25.3282, 0.5215, 0.4241.



This preview shows how white text looks on a background with the Yxy color 25.3282, 0.5215, 0.4241.

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

25.3282, 0.5215, 0.4241

Protanopia

25.5706, 0.4361, 0.4841

Deuteranopia

25.3466, 0.4718, 0.4636



Tritanopia

25.3960, 0.4342, 0.3193

Trichromacy



Original Color

25.3282, 0.5215, 0.4241

Protanomaly

25.1388, 0.4675, 0.4626

Deuteranomaly

25.3608, 0.4904, 0.4488

Tritanomaly

25.1287, 0.4845, 0.3729

Monochromacy



Original Color

25.3282, 0.5215, 0.4241

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.0924, 0.4036, 0.3974

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.3282, 0.5215, 0.4241 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, 116, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 116, 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, 116, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 116, 0) }
```

Border

The CSS property to change the border of an element to Yxy 25.3282, 0.5215, 0.4241 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, 116, 0) }
```

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

```
.border{ border-color:rgb(204, 116, 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, 116, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 116, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 116, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 116,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 25.3282, 0.5215, 0.4241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 116, 0) }
```

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

```
.background{ background-color: rgb(204,  
116, 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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