

Converting Colors

$Y_{xy}(25.3290, 0.5213, 0.4239)$

Have a look what the booklet for
Yxy(25.3290, 0.5213, 0.4239)
contains.

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Color

Yxy(25.3303, 0.5213, 0.4239)

Conversions

Conversions Part 1

Format	Color
Hex	CC7401
RGB	204, 116, 1
RGB Percent	80%, 45%, 0%
CMY	0.2000, 0.5450, 0.9963
CMYK	0.00, 0.43, 1.00, 0.20
HSL	34°, 99%, 40%
HSV	34°, 100%, 80%
XYZ	31.1505, 25.3303, 3.2746
YIQ	129.2020, 89.3630, -17.1090

Conversions

Conversions Part 2

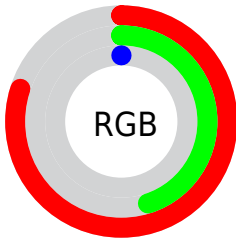
Format	Color
RYB	156, 204, 1
Decimal	13399041
CIELab	57.40, 28.37, 64.35
CIElCh	57, 70.324, 66.209
Yxy	25.3303, 0.5213, 0.4239
Android (android.graphics.Color)	4291589121 (0xFFCC7401)
YUV	129.2020, -63.2036, 65.5978
Hunter-Lab	50.3292, 22.4036, 31.3728

Details

The Yxy color **25.3303, 0.5213, 0.4239** 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 **11.4985, 0.1712, 0.1360**, and the grayscale version is **22.2296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0533, 0.4758, 0.4218**, and **9.8539, 0.5468, 0.4040** is the 20% darker color. If you saturate the color by 10%, you get **25.2345, 0.5221, 0.4237**, and if you desaturate by 10%, it is **27.5210, 0.5039, 0.4286**.

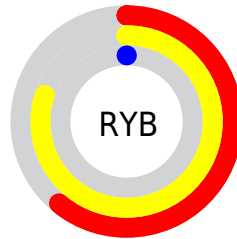
Distribution



Red (80%)

Green (45%)

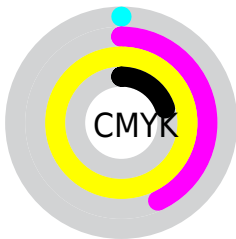
Blue (0%)



Red (61%)

Yellow (80%)

Blue (0%)

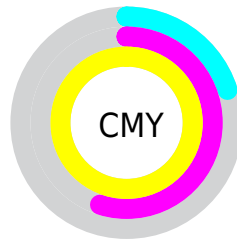


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (55%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.3303, 0.5213, 0.4239 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 25.3303, 0.5213, 0.4239 by changing the saturation by 10% instead.


 25.3303, 0.5213,
0.4239


 25.3303, 0.5213,
0.4239


279.4789, 0.4163,
0.3891


 16.3233, 0.5430,
0.4248


 52.1926, 0.4855,
0.4164


 9.7532, 0.5737,
0.4259


 70.8166, 0.4711,
0.4119

 5.2356, 0.5921,
0.4079

 93.4152, 0.4586,
0.4074

 2.3862, 0.6198,
0.3802

 120.3726, 0.4478,
0.4032

 0.8188, 0.6671,
0.3329

 152.0733, 0.4384,
0.3992

 0.0000, 1.0000,
0.0000


 188.9016, 0.4301,


 0.0000, 0.0000,

0.3955


0.0000


 231.2420, 0.4228,
0.3922

 25.3303, 0.5213,
0.4239


 25.3303, 0.5213,
0.4239

 25.2345, 0.5221,
0.4237

 27.5210, 0.5039,
0.4286

 29.9661, 0.4833,
0.4285

 32.6893, 0.4600,
0.4233

 35.7055, 0.4354,
0.4138

 39.0278, 0.4109,
0.4014

■ 42.6680, 0.3874,
0.3872

■ 46.6371, 0.3656,
0.3721

■ 50.9454, 0.3457,
0.3570

■ 55.6028, 0.3278,
0.3423

Harmonies

Analogous

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



25.3303, 0.5397, 0.3461



25.3303, 0.5213, 0.4239



25.3303, 0.4460, 0.5048

Triad

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



25.3303, 0.5213, 0.4239



25.3303, 0.1636, 0.3641



25.3303, 0.2421, 0.1759

Complementary

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



25.3303, 0.5213, 0.4239



11.4985, 0.1712, 0.1360

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.



25.3303, 0.1675, 0.1641



25.3303, 0.5213, 0.4239



25.3303, 0.1288, 0.2453

Square

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



25.3303, 0.5213, 0.4239



25.3303, 0.2416, 0.5028



25.3303, 0.1315, 0.1833



25.3303, 0.3559, 0.2149

Rectangle

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



25.3303, 0.5213, 0.4239



25.3303, 0.3800, 0.5451



25.3303, 0.1315, 0.1833



25.3303, 0.2125, 0.1688

Sweetspot

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



25.3317, 0.5213, 0.4239



76.6584, 0.3674, 0.3734



13.5768, 0.5244, 0.2665



15.7969, 0.3765, 0.3799



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.



25.3317, 0.5213, 0.4239



41.3603, 0.5237, 0.4223



54.1885, 0.4076, 0.5143



12.2510, 0.3276, 0.3421



16.0728, 0.5203, 0.4251



0.9783, 0.4954, 0.4449

Inverse Universe

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



11.4985, 0.1712, 0.1360



18.4786, 0.1703, 0.1329



4.4772, 0.1521, 0.0614



11.6302, 0.2983, 0.3155



7.3556, 0.1716, 0.1377



0.5294, 0.1823, 0.1761

Previews

White Background



This preview shows how the Yxy color 25.3303, 0.5213, 0.4239 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 25.3303, 0.5213, 0.4239 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 25.3303, 0.5213, 0.4239

Background



This preview shows how black text looks on a background with the Yxy color 25.3303, 0.5213, 0.4239.



This preview shows how white text looks on a background with the Yxy color 25.3303, 0.5213, 0.4239.

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

25.3303, 0.5213, 0.4239

Protanopia

25.5706, 0.4361, 0.4841

Deuteranopia

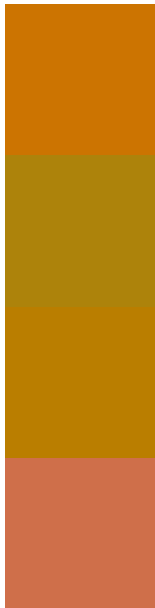
25.3466, 0.4718, 0.4636



Tritanopia

25.3960, 0.4342, 0.3193

Trichromacy



Original Color

25.3303, 0.5213, 0.4239

Protanomaly

25.1410, 0.4673, 0.4623

Deuteranomaly

25.3608, 0.4904, 0.4488

Tritanomaly

25.1287, 0.4845, 0.3729

Monochromacy



Original Color

25.3303, 0.5213, 0.4239

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 25.3303, 0.5213, 0.4239 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, 1)` looks like.

```
.text, #text, p{  
    color:rgb(204, 116, 1)  
}
```

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, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 116, 1) }
```

Border

The CSS property to change the border of an element to Yxy 25.3303, 0.5213, 0.4239 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, 1) }
```

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

```
.border{ border-color:rgb(204, 116, 1) }
```

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, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 116, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 116, 1);  
box-shadow:4px 4px 4px 4px rgb(204, 116,  
1) }
```


Background

The CSS property to change the background color of an element to Yxy 25.3303, 0.5213, 0.4239 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, 1) }
```

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

```
.background{ background-color: rgb(204,  
116, 1) }
```

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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