

Converting Colors

$Y_{xy}(25.3208, 0.5577, 0.4193)$

Have a look what the booklet for
Yxy(25.3208, 0.5577, 0.4193)
contains.

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Color

Yxy(25.4768, 0.5429, 0.4071)

Conversions

Conversions Part 1

Format	Color
Hex	D96C00
RGB	217, 108, 0
RGB Percent	85%, 42%, 0%
CMY	0.1491, 0.5764, 0.9997
CMYK	0.00, 0.50, 1.00, 0.15
HSL	30°, 100%, 43%
HSV	30°, 100%, 85%
XYZ	33.9753, 25.4768, 3.1291
YIQ	128.2790, 99.6320, -10.4800

Conversions

Conversions Part 2

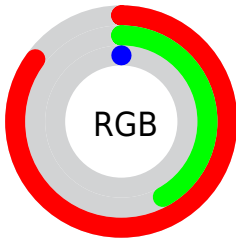
Format	Color
R_{YB}	217, 215, 0
Decimal	14248960
CIE _{Lab}	57.54, 37.88, 65.53
CIE _{LCh}	58, 75.688, 59.969
Yxy	25.4768, 0.5429, 0.4071
Android (android.graphics.Color)	4292439040 (0xFFD96C00)
YUV	128.2790, -63.2415, 77.8083
Hunter-Lab	50.4745, 31.8211, 31.6566

Details

The Yxy color **25.4768, 0.5429, 0.4071** 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 **15.9588, 0.1769, 0.1569**, and the grayscale version is **21.8917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1550, 0.4839, 0.4149**, and **9.8948, 0.5763, 0.3806** is the 20% darker color. If you saturate the color by 10%, you get **25.4690, 0.5430, 0.4071**, and if you desaturate by 10%, it is **27.9806, 0.5227, 0.4139**.

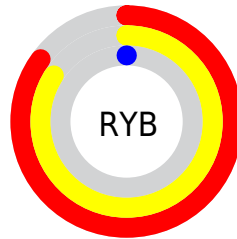
Distribution



Red (85%)

Green (42%)

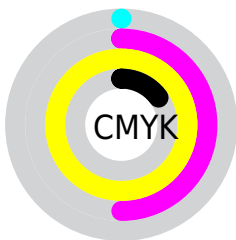
Blue (0%)



Red (85%)

Yellow (84%)

Blue (0%)

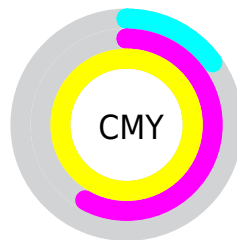


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (58%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.4768, 0.5429, 0.4071 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 25.4768, 0.5429, 0.4071 by changing the saturation by 10% instead.


 25.4768, 0.5429,
0.4071


 25.4768, 0.5429,
0.4071


280.2042, 0.4270,
0.3839


 16.4326, 0.5670,
0.4044

 52.4297, 0.5033,
0.4045


 9.8308, 0.5999,
0.4001


 71.1072, 0.4875,
0.4017

 5.2869, 0.6226,
0.3774


 93.7646, 0.4737,
0.3985

 2.4166, 0.6564,
0.3436

 120.7863, 0.4618,
0.3953

 0.8344, 0.7114,
0.2886

 152.5568, 0.4514,
0.3923


 0.0000, 1.0000,
0.0000


 189.4603, 0.4422,


 0.0000, 0.0000,


0.3893


0.0000

 231.8813, 0.4342,
0.3865


 25.4768, 0.5429,
0.4071


 25.4768, 0.5429,
0.4071

 25.4690, 0.5430,
0.4071

 27.9806, 0.5227,
0.4139

 30.8445, 0.4989,
0.4157

 34.1005, 0.4722,
0.4123

 37.7694, 0.4445,
0.4046

 41.8697, 0.4172,
0.3938

■ 46.4186, 0.3916,
0.3812

■ 51.4319, 0.3682,
0.3678

■ 56.9246, 0.3473,
0.3544

■ 62.9107, 0.3288,
0.3413

Harmonies

Analogous

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



25.4768, 0.5483, 0.3282



25.4768, 0.5429, 0.4071



25.4768, 0.4702, 0.4945

Triad

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



25.4768, 0.5429, 0.4071



25.4768, 0.1672, 0.3989



25.4768, 0.2172, 0.1630

Complementary

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



25.4768, 0.5429, 0.4071



15.9588, 0.1769, 0.1569

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.



25.4768, 0.1488, 0.1566



25.4768, 0.5429, 0.4071



25.4768, 0.1230, 0.2593

Square

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



25.4768, 0.5429, 0.4071



25.4768, 0.2565, 0.5406



25.4768, 0.1191, 0.1835



25.4768, 0.3304, 0.1978

Rectangle

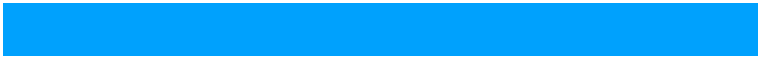
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



25.4768, 0.5429, 0.4071



25.4768, 0.4027, 0.5469



25.4768, 0.1191, 0.1835



25.4768, 0.1895, 0.1576

Sweetspot

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



25.4782, 0.5429, 0.4071



73.8970, 0.3689, 0.3683



15.9247, 0.4909, 0.2478



15.1431, 0.3786, 0.3740



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.



25.4782, 0.5429, 0.4071



36.4100, 0.5443, 0.4060



62.5253, 0.4223, 0.5029



14.1165, 0.3279, 0.3407



15.6310, 0.5407, 0.4089



1.1850, 0.5157, 0.4287

Inverse Universe

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



15.9588, 0.1769, 0.1569



22.6874, 0.1765, 0.1553



5.0899, 0.1503, 0.0609



13.6928, 0.2982, 0.3171



9.8678, 0.1776, 0.1593



0.8116, 0.1858, 0.1888

Previews

White Background



This preview shows how the Yxy color 25.4768, 0.5429, 0.4071 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 25.4768, 0.5429, 0.4071 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 25.4768, 0.5429, 0.4071

Background



This preview shows how black text looks on a background with the Yxy color 25.4768, 0.5429, 0.4071.



This preview shows how white text looks on a background with the Yxy color 25.4768, 0.5429, 0.4071.

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

25.4768, 0.5429, 0.4071

Protanopia

25.5802, 0.4353, 0.4828

Deuteranopia

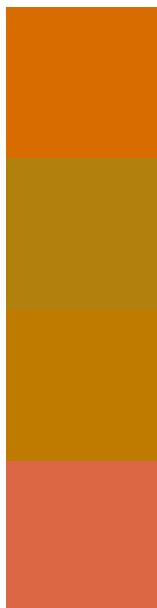
25.6165, 0.4704, 0.4647



Tritanopia

25.3915, 0.4649, 0.3214

Trichromacy



Original Color

25.4768, 0.5429, 0.4071

Protanomaly

24.9299, 0.4766, 0.4544

Deuteranomaly

25.1131, 0.4987, 0.4422

Tritanomaly

25.1779, 0.5105, 0.3662

Monochromacy



Original Color

25.4768, 0.5429, 0.4071

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.7424, 0.4124, 0.3929

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.4768, 0.5429, 0.4071 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(217, 108, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 108, 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(217, 108, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 108, 0) }
```

Border

The CSS property to change the border of an element to Yxy 25.4768, 0.5429, 0.4071 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(217, 108, 0) }
```

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

```
.border{ border-color:rgb(217, 108, 0) }
```

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

Here you see how a box with a 4 pixel rgb(217, 108, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 108, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 108, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 108,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 25.4768, 0.5429, 0.4071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 108, 0) }
```

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

```
.background{ background-color: rgb(217,  
108, 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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