

# Converting Colors

$Yxy(26.9707, 0.5425, 0.4075)$

Have a look what the booklet for  
Yxy(26.9707, 0.5425, 0.4075)  
contains.

<b>Yxy(26.8985, 0.5425, 0.4075)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(26.8985, 0.5425, 0.4075)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DE6F00
RGB	222, 111, 0
RGB Percent	87%, 44%, 0%
CMY	0.1294, 0.5647, 1.0000
CMYK	0.00, 0.50, 1.00, 0.13
HSL	30°, 100%, 44%
HSV	30°, 100%, 87%
XYZ	35.8097, 26.8985, 3.3004
YIQ	131.5350, 101.7870, -10.9890

# Conversions

## Conversions Part 2

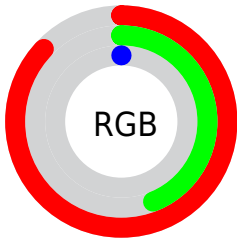
<b>Format</b>	<b>Color</b>
<b>RYB</b>	222, 222, 0
Decimal	14577408
CIELab	58.88, 38.37, 66.74
CIELCh	59, 76.985, 60.110
Yxy	26.8985, 0.5425, 0.4075
Android (android.graphics.Color)	4292767488 (0xFFDE6F00)
YUV	131.5350, -64.8468, 79.3378
Hunter-Lab	51.8638, 32.4849, 32.5316

# Details

The Yxy color **26.8985, 0.5425, 0.4075** 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 **16.6437, 0.1766, 0.1558**, and the grayscale version is **23.1097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2283, 0.4805, 0.4171**, and **10.6026, 0.5740, 0.3824** is the 20% darker color. If you saturate the color by 10%, you get **26.9003, 0.5425, 0.4075**, and if you desaturate by 10%, it is **29.5339, 0.5225, 0.4143**.

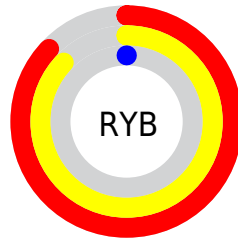
# Distribution



Red (87%)

Green (44%)

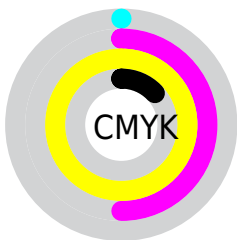
Blue (0%)



Red (87%)

Yellow (87%)

Blue (0%)

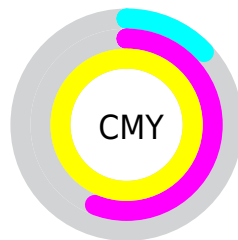


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (13%)



Cyan (13%)

Magenta (56%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.8985, 0.5425, 0.4075 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 26.8985, 0.5425, 0.4075 by changing the saturation by 10% instead.





 26.8985, 0.5425,  
0.4075


 26.8985, 0.5425,  
0.4075


287.1653, 0.4279,  
0.3845


 17.4970, 0.5661,  
0.4050


 54.7210, 0.5036,  
0.4049


 10.5895, 0.5983,  
0.4010


 73.9107, 0.4880,  
0.4021


 5.7915, 0.6206,  
0.3794

 97.1320, 0.4744,  
0.3990

 2.7187, 0.6527,  
0.3473

 124.7692, 0.4626,  
0.3958

 0.9867, 0.7041,  
0.2959

 157.2068, 0.4522,  
0.3928

 0.0000, 1.0000,  
0.0000


 194.8290, 0.4431,

 0.0000, 0.0000,


0.3898


0.0000

 238.0204, 0.4351,  
0.3871

 26.8985, 0.5425,  
0.4075


 26.8985, 0.5425,  
0.4075

 26.9003, 0.5425,  
0.4075

 29.5339, 0.5225,  
0.4143

 32.5465, 0.4988,  
0.4162

 35.9700, 0.4722,  
0.4128

 39.8262, 0.4445,  
0.4050

 44.1348, 0.4173,  
0.3942

■ 48.9136, 0.3917,  
0.3816

■ 54.1794, 0.3683,  
0.3681

■ 59.9478, 0.3474,  
0.3546

■ 66.2335, 0.3289,  
0.3414

# Harmonies

## Analogous

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



26.8985, 0.5483, 0.3286



26.8985, 0.5425, 0.4075



26.8985, 0.4697, 0.4949

# Triad

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



26.8985, 0.5425, 0.4075



26.8985, 0.1671, 0.3981



26.8985, 0.2178, 0.1632

# Complementary

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



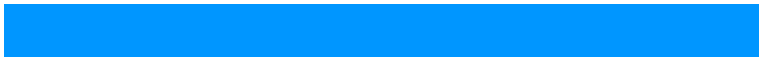
26.8985, 0.5425, 0.4075



16.6437, 0.1766, 0.1558

# 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.



26.8985, 0.1492, 0.1567



26.8985, 0.5425, 0.4075



26.8985, 0.1230, 0.2589

# Square

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



26.8985, 0.5425, 0.4075



26.8985, 0.2561, 0.5398



26.8985, 0.1193, 0.1834



26.8985, 0.3310, 0.1981



# Rectangle

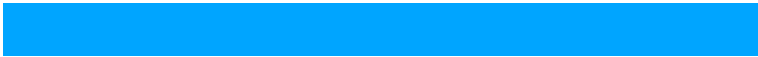
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



26.8985, 0.5425, 0.4075



26.8985, 0.4022, 0.5470



26.8985, 0.1193, 0.1834



26.8985, 0.1900, 0.1578

# Sweetspot

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



26.9003, 0.5425, 0.4075



73.9915, 0.3688, 0.3684



16.6784, 0.4985, 0.2520



15.1654, 0.3785, 0.3742



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.



26.9003, 0.5425, 0.4075



36.5684, 0.5436, 0.4066



67.7765, 0.4193, 0.5053



14.8272, 0.3280, 0.3407



16.1997, 0.5402, 0.4093



1.3020, 0.5166, 0.4280



# Inverse Universe

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



16.6437, 0.1766, 0.1558



22.5281, 0.1763, 0.1545



5.2743, 0.1500, 0.0600



14.3700, 0.2981, 0.3170



10.1079, 0.1773, 0.1584



0.8797, 0.1851, 0.1863



# Previews

## White Background



This preview shows how the Yxy color 26.8985, 0.5425, 0.4075 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 26.8985, 0.5425, 0.4075 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 26.8985, 0.5425, 0.4075**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.8985, 0.5425, 0.4075.



This preview shows how white text looks on a background with the Yxy color 26.8985, 0.5425, 0.4075.

# 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

26.8985, 0.5425, 0.4075

### Protanopia

27.1655, 0.4350, 0.4836

### Deuteranopia

27.0312, 0.4716, 0.4638



## Tritanopia

26.8338, 0.4640, 0.3216

# Trichromacy



**Original Color**

26.8985, 0.5425, 0.4075

**Protanomaly**

26.3264, 0.4777, 0.4539

**Deuteranomaly**

26.5238, 0.4992, 0.4418

**Tritanomaly**

26.5976, 0.5098, 0.3665

# Monochromacy



**Original Color**

26.8985, 0.5425, 0.4075

**Achromatopsia**

23.0740, 0.3127, 0.3290

**Achromatomaly**

23.0547, 0.4127, 0.3912

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.8985, 0.5425, 0.4075 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(222, 111, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 111, 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(222, 111, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 111, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 26.8985, 0.5425, 0.4075 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(222, 111, 0) }
```

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

```
.border{ border-color:rgb(222, 111, 0) }
```

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

Here you see how a box with a 4 pixel rgb(222, 111, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 111, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 111, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 111,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.8985, 0.5425, 0.4075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 111, 0) }
```

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

```
.background{ background-color: rgb(222,  
111, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor