

# Converting Colors

$Y_{xy}(29.4964, 0.5728, 0.3834)$

Have a look what the booklet for  
Yxy(29.4964, 0.5728, 0.3834)  
contains.

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# Color

**Yxy(29.4383, 0.5728, 0.3834)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FA6400
RGB	250, 100, 0
RGB Percent	98%, 39%, 0%
CMY	0.0196, 0.6078, 1.0000
CMYK	0.00, 0.60, 1.00, 0.02
HSL	24°, 100%, 49%
HSV	24°, 100%, 98%
XYZ	43.9809, 29.4383, 3.3631
YIQ	133.4500, 121.5000, 0.7000

# Conversions

## Conversions Part 2

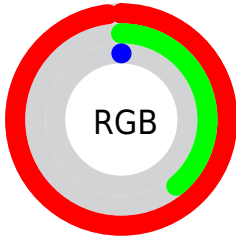
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	250, 167, 0
Decimal	16409600
CIE Lab	61.17, 54.12, 70.29
CIE LCh	61, 88.714, 52.408
Yxy	29.4383, 0.5728, 0.3834
Android (android.graphics.Color)	4294599680 (0xFFFA6400)
YUV	133.4500, -65.7908, 102.2144
Hunter-Lab	54.2571, 49.7424, 34.3049

# Details

The Yxy color **29.4383, 0.5728, 0.3834** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **28.7101, 0.1860, 0.1897**, and the grayscale version is **23.8421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1200, 0.4889, 0.4085**, and **12.0420, 0.6114, 0.3527** is the 20% darker color. If you saturate the color by 10%, you get **29.4401, 0.5728, 0.3834**, and if you desaturate by 10%, it is **32.6575, 0.5496, 0.3925**.

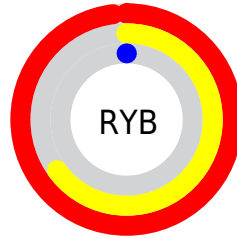
# Distribution



Red (98%)

Green (39%)

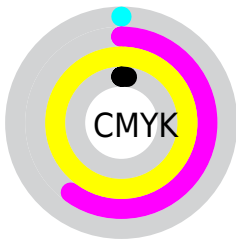
Blue (0%)



Red (98%)

Yellow (65%)

Blue (0%)

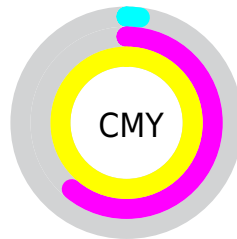


Cyan (0%)

Magenta (60%)

Yellow (100%)

Black (2%)



Cyan (2%)

Magenta (61%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.4383, 0.5728, 0.3834 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 29.4383, 0.5728, 0.3834 by changing the saturation by 10% instead.





 29.4383, 0.5728,  
0.3834


 29.4383, 0.5728,  
0.3834


299.2774, 0.4454,  
0.3771

 19.4126, 0.5985,  
0.3766

 58.7727, 0.5302,  
0.3874

 11.9688, 0.6320,  
0.3665


 78.8503, 0.5128,  
0.3870


 6.7224, 0.6586,  
0.3414


 103.0473, 0.4977,  
0.3858

 3.2891, 0.6947,  
0.3053

 131.7481, 0.4845,  
0.3843

 1.2845, 0.7482,  
0.2518

 165.3371, 0.4729,  
0.3826

 0.1291, 0.9253,  
0.0747


 204.1987, 0.4626,


 0.0000, 1.0000,


0.3807

0.0000

 248.7174, 0.4535,  
0.3789


 0.0000, 0.0000,  
0.0000

 29.4383, 0.5728,  
0.3834

 29.4383, 0.5728,  
0.3834


 29.4401, 0.5728,  
0.3834

 32.6575, 0.5496,  
0.3925

 36.5214, 0.5213,  
0.3968

 41.0845, 0.4895,  
0.3958

 46.3872, 0.4569,  
0.3904

 52.4658, 0.4255,  
0.3819

■ 59.3537, 0.3967,  
0.3717

■ 67.0820, 0.3710,  
0.3608

■ 75.6800, 0.3486,  
0.3497

■ 85.1755, 0.3293,  
0.3391

# Harmonies

## Analogous

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



29.4383, 0.5591, 0.3037



29.4383, 0.5728, 0.3834



29.4383, 0.5029, 0.4769

# Triad

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



29.4383, 0.5728, 0.3834



29.4383, 0.1717, 0.4537



29.4383, 0.1850, 0.1456

# Complementary

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



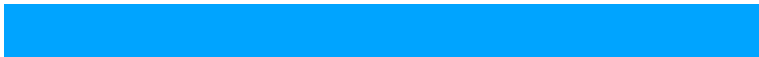
29.4383, 0.5728, 0.3834



28.7101, 0.1860, 0.1897

# 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.



29.4383, 0.1247, 0.1461



29.4383, 0.5728, 0.3834



29.4383, 0.1144, 0.2813

# Square

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



29.4383, 0.5728, 0.3834



29.4383, 0.2753, 0.5905



29.4383, 0.1025, 0.1837



29.4383, 0.2953, 0.1748



# Rectangle

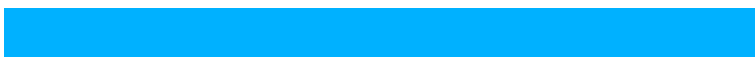
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29.4383, 0.5728, 0.3834



29.4383, 0.4322, 0.5428



29.4383, 0.1025, 0.1837



29.4383, 0.1599, 0.1423

# Sweetspot

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



29.4401, 0.5728, 0.3834



70.1464, 0.3711, 0.3608



22.5254, 0.4571, 0.2292



14.2608, 0.3816, 0.3655



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.



29.4401, 0.5728, 0.3834



30.7653, 0.5730, 0.3833



74.1726, 0.4384, 0.4901



18.3648, 0.3284, 0.3385



15.8793, 0.5699, 0.3857



1.6718, 0.5481, 0.4030

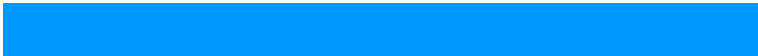


# Inverse Universe

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



28.7101, 0.1860, 0.1897



29.9982, 0.1860, 0.1895



7.5972, 0.1515, 0.0654



18.3753, 0.2980, 0.3193



15.5184, 0.1867, 0.1921



1.6447, 0.1917, 0.2101



# Previews

## White Background



This preview shows how the Yxy color 29.4383, 0.5728, 0.3834 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 29.4383, 0.5728, 0.3834 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 29.4383, 0.5728, 0.3834**

## Background



This preview shows how black text looks on a background with the Yxy color 29.4383, 0.5728, 0.3834.



This preview shows how white text looks on a background with the Yxy color 29.4383, 0.5728, 0.3834.

# 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

29.4383, 0.5728, 0.3834

### Protanopia

29.4655, 0.4351, 0.4802

### Deuteranopia

29.6145, 0.4708, 0.4644



## Tritanopia

29.4250, 0.5102, 0.3241

# Trichromacy



## Original Color

29.4383, 0.5728, 0.3834

## Protanomaly

28.1403, 0.4907, 0.4421

## Deuteranomaly

28.6233, 0.5127, 0.4311

## Tritanomaly

29.2339, 0.5466, 0.3562

# Monochromacy



## Original Color

29.4383, 0.5728, 0.3834

## Achromatopsia

23.4551, 0.3127, 0.3290

## Achromatomaly

23.5607, 0.4276, 0.3819

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.4383, 0.5728, 0.3834 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(250, 100, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 100, 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(250, 100, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 100, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 29.4383, 0.5728, 0.3834 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(250, 100, 0) }
```

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

```
.border{ border-color:rgb(250, 100, 0) }
```

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

Here you see how a box with a 4 pixel rgb(250, 100, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 100, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 100, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 100,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.4383, 0.5728, 0.3834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 100, 0) }
```

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

```
.background{ background-color: rgb(250,  
100, 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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