

# Converting Colors

$Y_{xy}(29.4486, 0.5671, 0.3839)$

Have a look what the booklet for  
Yxy(29.4486, 0.5671, 0.3839)  
contains.

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**Color**

**Yxy(29.4883, 0.5669, 0.3840)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F8660D
RGB	248, 102, 13
RGB Percent	97%, 40%, 5%
CMY	0.0275, 0.5999, 0.9499
CMYK	0.00, 0.59, 0.95, 0.03
HSL	23°, 94%, 51%
HSV	23°, 95%, 97%
XYZ	43.5336, 29.4883, 3.7705
YIQ	135.5080, 115.5850, 3.2730

# Conversions

## Conversions Part 2

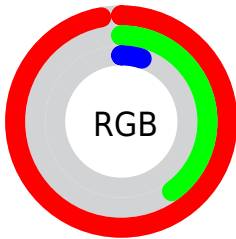
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	248, 156, 13
Decimal	16279053
CIE <sub>Lab</sub>	61.21, 52.62, 67.93
CIE <sub>LCh</sub>	61, 85.925, 52.241
Yxy	29.4883, 0.5669, 0.3840
Android (android.graphics.Color)	4294469133 (0xFFFF8660D)
YUV	135.5080, -60.3964, 98.6555
Hunter-Lab	54.3031, 48.0691, 33.8954

# Details

The Yxy color **29.4883, 0.5669, 0.3840** 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 **31.5753, 0.1908, 0.2045**, and the grayscale version is **24.6176, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8550, 0.4839, 0.4071**, and **12.0213, 0.6073, 0.3560** is the 20% darker color. If you saturate the color by 10%, you get **27.9761, 0.5785, 0.3789**, and if you desaturate by 10%, it is **32.9105, 0.5404, 0.3912**.

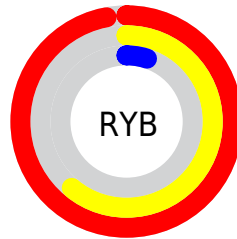
# Distribution



Red (97%)

Green (40%)

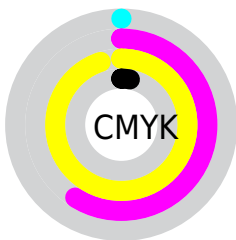
Blue (5%)



Red (97%)

Yellow (61%)

Blue (5%)

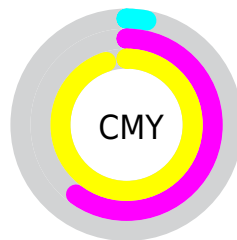


Cyan (0%)

Magenta (59%)

Yellow (95%)

Black (3%)



Cyan (3%)

Magenta (60%)


Yellow (95%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.4883, 0.5669, 0.3840 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 29.4883, 0.5669, 0.3840 by changing the saturation by 10% instead.





 29.4883, 0.5669,  
0.3840

 29.4883, 0.5669,  
0.3840


299.5120, 0.4414,  
0.3759

 19.4505, 0.5928,  
0.3780


 58.8520, 0.5244,  
0.3869


 11.9963, 0.6251,  
0.3682


 78.9467, 0.5073,  
0.3862

 6.7411, 0.6546,  
0.3454


 103.1625, 0.4925,  
0.3849

 3.3007, 0.6900,  
0.3100

 131.8839, 0.4795,  
0.3832

 1.2907, 0.7429,  
0.2571

 165.4951, 0.4681,  
0.3814

 0.1340, 0.9204,  
0.0796

 204.3806, 0.4581,


 0.0000, 1.0000,


0.3795


0.0000


 248.9247, 0.4493,  
0.3777

 0.0000, 0.0000,  
0.0000


 29.4883, 0.5669,  
0.3840


 29.4883, 0.5669,  
0.3840

 27.9761, 0.5785,  
0.3789

 32.9105, 0.5404,  
0.3912

 37.0275, 0.5090,  
0.3930

 41.8860, 0.4754,  
0.3900

 47.5261, 0.4423,  
0.3834

 53.9844, 0.4114,  
0.3744

61.2947, 0.3837,  
0.3643

69.4889, 0.3594,  
0.3537

78.5969, 0.3384,  
0.3434

88.6473, 0.3204,  
0.3335

# Harmonies

## Analogous

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



29.4883, 0.5515, 0.3051



29.4883, 0.5669, 0.3840



29.4883, 0.5006, 0.4752

# Triad

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



29.4883, 0.5669, 0.3840



29.4883, 0.1764, 0.4505



29.4883, 0.1878, 0.1493

# Complementary

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



29.4883, 0.5669, 0.3840



31.5753, 0.1908, 0.2045

# 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.



29.4883, 0.1284, 0.1503



29.4883, 0.5669, 0.3840



29.4883, 0.1191, 0.2844

# Square

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



29.4883, 0.5669, 0.3840



29.4883, 0.2786, 0.5814



29.4883, 0.1066, 0.1880



29.4883, 0.2954, 0.1780



# Rectangle

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



29.4883, 0.5669, 0.3840



29.4883, 0.4322, 0.5383



29.4883, 0.1066, 0.1880



29.4883, 0.1631, 0.1463

# Sweetspot

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



29.4900, 0.5669, 0.3840



71.1372, 0.3668, 0.3571



22.8379, 0.4349, 0.2190



14.4220, 0.3773, 0.3616



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.



29.4900, 0.5669, 0.3840



29.7615, 0.5788, 0.3786



69.4218, 0.4430, 0.4843



18.3044, 0.3284, 0.3381



15.3621, 0.5756, 0.3811



1.6199, 0.5534, 0.3988

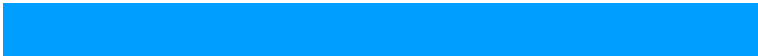


# Inverse Universe

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



31.5753, 0.1908, 0.2045



31.7624, 0.1881, 0.1970



8.6730, 0.1550, 0.0746



18.4375, 0.2980, 0.3198



16.4098, 0.1888, 0.1995



1.7242, 0.1935, 0.2166



# Previews

## White Background



This preview shows how the Yxy color 29.4883, 0.5669, 0.3840 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 29.4883, 0.5669, 0.3840 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 29.4883, 0.5669, 0.3840**

## Background



This preview shows how black text looks on a background with the Yxy color 29.4883, 0.5669, 0.3840.



This preview shows how white text looks on a background with the Yxy color 29.4883, 0.5669, 0.3840.

# 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



# Trichromacy



## Original Color

29.4883, 0.5669, 0.3840

## Protanomaly

28.2962, 0.4866, 0.4419

## Tritanomaly

29.3048, 0.5378, 0.3541

# Monochromacy



## Original Color

29.4883, 0.5669, 0.3840

## Achromatopsia

24.2281, 0.3127, 0.3290

## Achromatomaly

24.1514, 0.4188, 0.3764

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.4883, 0.5669, 0.3840 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(248, 102, 13)` looks like.

```
.text, #text, p{  
    color:rgb(248, 102, 13)  
}
```

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(248, 102, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 102, 13) }
```

## Border

The CSS property to change the border of an element to Yxy 29.4883, 0.5669, 0.3840 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(248, 102, 13) }
```

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

```
.border{ border-color:rgb(248, 102, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 102, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 102, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 102, 13);  
box-shadow:4px 4px 4px 4px rgb(248, 102,  
13) }
```

# Background

The CSS property to change the background color of an element to Yxy 29.4883, 0.5669, 0.3840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 102, 13) }
```

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

```
.background{ background-color: rgb(248,  
102, 13) }
```

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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