

# Converting Colors

Yxy(31.0642, 0.5433, 0.4068)

Have a look what the booklet for  
Yxy(31.0642, 0.5433, 0.4068)  
contains.

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# Color

**Yxy(30.9614, 0.5436, 0.4065)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ED7600
RGB	237, 118, 0
RGB Percent	93%, 46%, 0%
CMY	0.0706, 0.5372, 0.9990
CMYK	0.00, 0.50, 1.00, 0.07
HSL	30°, 100%, 47%
HSV	30°, 100%, 93%
XYZ	41.4037, 30.9614, 3.8007
YIQ	140.1290, 108.8020, -11.4700

# Conversions

## Conversions Part 2

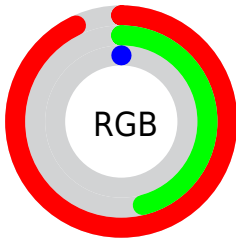
Format	Color
R <sub>Y</sub> B	237, 235, 0
Decimal	15562240
CIE Lab	62.48, 40.77, 69.94
CIE LCh	62, 80.956, 59.759
Yxy	30.9614, 0.5436, 0.4065
Android (android.graphics.Color)	4293752320 (0xFFED7600)
YUV	140.1290, -69.0836, 84.9559
Hunter-Lab	55.6430, 35.4460, 34.9003

# Details

The Yxy color **30.9614, 0.5436, 0.4065** 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 **19.3645, 0.1767, 0.1562**, and the grayscale version is **26.5327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2072, 0.4720, 0.4233**, and **13.0130, 0.5731, 0.3832** is the 20% darker color. If you saturate the color by 10%, you get **30.9338, 0.5438, 0.4064**, and if you desaturate by 10%, it is **34.0133, 0.5237, 0.4136**.

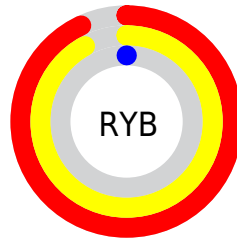
# Distribution



Red (93%)

Green (46%)

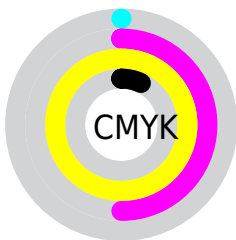
Blue (0%)



Red (93%)

Yellow (92%)

Blue (0%)

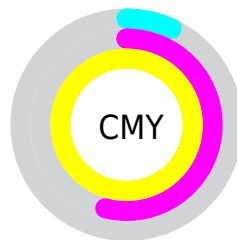


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (7%)



Cyan (7%)

Magenta (54%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.9614, 0.5436, 0.4065 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 30.9614, 0.5436, 0.4065 by changing the saturation by 10% instead.





 30.9614, 0.5436,  
0.4065

 30.9614, 0.5436,  
0.4065


306.3605, 0.4313,  
0.3852

 20.5695, 0.5662,  
0.4040


 61.1793, 0.5061,  
0.4044

 12.8097, 0.5942,  
0.3987


 81.7740, 0.4908,  
0.4018


 7.2976, 0.6187,  
0.3813


 106.5385, 0.4775,  
0.3990

 3.6489, 0.6476,  
0.3524

 135.8571, 0.4658,  
0.3960

 1.4792, 0.6920,  
0.3080

 170.1142, 0.4556,  
0.3931


 0.2740, 0.8289,  
0.1711

 209.6942, 0.4465,


 0.0000, 1.0000,

0.3903


0.0000


 254.9815, 0.4385,  
0.3877

 0.0000, 0.0000,  
0.0000


 30.9614, 0.5436,  
0.4065

 30.9614, 0.5436,  
0.4065


 30.9338, 0.5438,  
0.4064

 34.0133, 0.5237,  
0.4136

 37.5097, 0.4998,  
0.4157

 41.4890, 0.4730,  
0.4124

 45.9769, 0.4452,  
0.4048

 50.9967, 0.4178,  
0.3940

■ 56.5696, 0.3920,  
0.3814

■ 62.7152, 0.3684,  
0.3679

■ 69.4521, 0.3474,  
0.3544

■ 76.7978, 0.3288,  
0.3413

# Harmonies

## Analogous

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



30.9614, 0.5485, 0.3276



30.9614, 0.5436, 0.4065



30.9614, 0.4710, 0.4941

# Triad

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



30.9614, 0.5436, 0.4065



30.9614, 0.1674, 0.4002



30.9614, 0.2164, 0.1626

# Complementary

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



30.9614, 0.5436, 0.4065



19.3645, 0.1767, 0.1562

# 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.



30.9614, 0.1482, 0.1564



30.9614, 0.5436, 0.4065



30.9614, 0.1228, 0.2599

# Square

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



30.9614, 0.5436, 0.4065



30.9614, 0.2570, 0.5418



30.9614, 0.1187, 0.1836



30.9614, 0.3295, 0.1972



# Rectangle

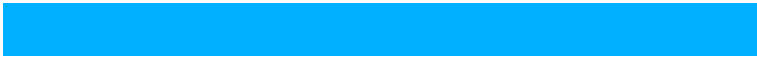
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.9614, 0.5436, 0.4065



30.9614, 0.4035, 0.5468



30.9614, 0.1187, 0.1836



30.9614, 0.1888, 0.1573

# Sweetspot

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



30.9631, 0.5436, 0.4065



73.8897, 0.3689, 0.3682



19.4283, 0.4919, 0.2484



15.1414, 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.



30.9631, 0.5436, 0.4065



36.3978, 0.5444, 0.4060



76.3105, 0.4223, 0.5029



16.2918, 0.3280, 0.3407



17.1518, 0.5412, 0.4084



1.5392, 0.5199, 0.4254



# Inverse Universe

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



19.3645, 0.1767, 0.1562



22.6998, 0.1765, 0.1554



6.2067, 0.1503, 0.0608



15.8000, 0.2981, 0.3170



10.8192, 0.1775, 0.1589



1.0420, 0.1844, 0.1838



# Previews

## White Background



This preview shows how the Yxy color 30.9614, 0.5436, 0.4065 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.9614, 0.5436, 0.4065 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 30.9614, 0.5436, 0.4065**

## **Background**



This preview shows how black text looks on a background with the Yxy color 30.9614, 0.5436, 0.4065.



This preview shows how white text looks on a background with the Yxy color 30.9614, 0.5436, 0.4065.

# 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

30.9614, 0.5436, 0.4065

### Protanopia

31.1685, 0.4361, 0.4827

### Deuteranopia

31.0229, 0.4709, 0.4643



## Tritanopia

31.1370, 0.4662, 0.3221

# Trichromacy



**Original Color**

30.9614, 0.5436, 0.4065

**Protanomaly**

30.3873, 0.4776, 0.4542

**Deuteranomaly**

30.7378, 0.4988, 0.4421

**Tritanomaly**

30.8435, 0.5114, 0.3659

# Monochromacy



**Original Color**

30.9614, 0.5436, 0.4065

**Achromatopsia**

26.2251, 0.3127, 0.3290

**Achromatomaly**

26.3378, 0.4130, 0.3923

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.9614, 0.5436, 0.4065 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(237, 118, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 118, 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(237, 118, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 118, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 30.9614, 0.5436, 0.4065 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(237, 118, 0) }
```

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

```
.border{ border-color:rgb(237, 118, 0) }
```

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

Here you see how a box with a 4 pixel rgb(237, 118, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 118, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 118, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 118,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.9614, 0.5436, 0.4065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 118, 0) }
```

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

```
.background{ background-color: rgb(237,  
118, 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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