

# Converting Colors

$Y_{xy}(28.9092, 0.5488, 0.3763)$

Have a look what the booklet for  
Yxy(28.9092, 0.5488, 0.3763)  
contains.

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**Color**

**Yxy(28.9370, 0.5493, 0.3761)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3672C
RGB	243, 103, 44
RGB Percent	95%, 40%, 17%
CMY	0.0471, 0.5960, 0.8275
CMYK	0.00, 0.58, 0.82, 0.05
HSL	18°, 89%, 56%
HSV	18°, 82%, 95%
XYZ	42.2629, 28.9370, 5.7397
YIQ	138.1340, 102.3790, 11.3310

# Conversions

## Conversions Part 2

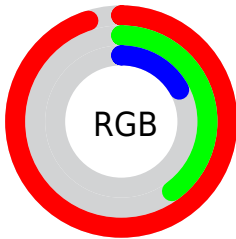
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 128, 44
Decimal	15951660
CIE Lab	60.73, 50.92, 57.30
CIE LCh	61, 76.650, 48.374
Yxy	28.9370, 0.5493, 0.3761
Android (android.graphics.Color)	4294141740 (0xFFFF3672C)
YUV	138.1340, -46.4081, 91.9675
Hunter-Lab	53.7931, 46.1018, 31.3290

# Details

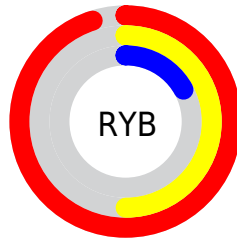
The Yxy color **28.9370, 0.5493, 0.3761** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **41.2666, 0.2062, 0.2478**, and the grayscale version is **25.6234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5399, 0.4668, 0.3912**, and **11.6976, 0.6033, 0.3592** is the 20% darker color. If you saturate the color by 10%, you get **25.7461, 0.5802, 0.3697**, and if you desaturate by 10%, it is **32.9329, 0.5131, 0.3777**.

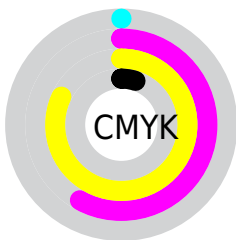
# Distribution



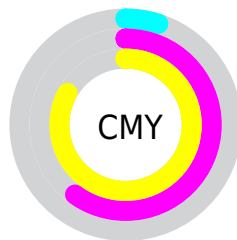
- Red (95%)
- Green (40%)
- Blue (17%)



- Red (95%)
- Yellow (50%)
- Blue (17%)



- Cyan (0%)
- Magenta (58%)
- Yellow (82%)
- Black (5%)




- Cyan (5%)
- Magenta (60%)
- Yellow (83%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.9370, 0.5493, 0.3761 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 28.9370, 0.5493, 0.3761 by changing the saturation by 10% instead.




 28.9370, 0.5493,  
0.3761


 28.9370, 0.5493,  
0.3761


296.9176, 0.4281,  
0.3668


 19.0332, 0.5767,  
0.3721


 57.9770, 0.5066,  
0.3772


 11.6942, 0.6088,  
0.3631


 77.8819, 0.4900,  
0.3762

 6.5358, 0.6514,  
0.3486


 101.8893, 0.4758,  
0.3749

 3.1736, 0.6869,  
0.3131

 130.3836, 0.4635,  
0.3733

 1.2230, 0.7402,  
0.2598

 163.7492, 0.4529,  
0.3716

 0.0804, 0.9463,  
0.0537

 202.3705, 0.4436,

 0.0000, 1.0000,

0.3700

0.0000

246.6318, 0.4354,  
0.3684

■ 0.0000, 0.0000,  
0.0000

■ 28.9370, 0.5493,  
0.3761

■ 28.9370, 0.5493,  
0.3761

■ 25.7461, 0.5802,  
0.3697

■ 32.9329, 0.5131,  
0.3777


■ 23.6971, 0.5999,  
0.3619


■ 37.7840, 0.4755,  
0.3752


■ 43.5417, 0.4395,  
0.3697


■ 50.2514, 0.4068,  
0.3624

■ 57.9553, 0.3783,  
0.3543

 66.6930, 0.3538,  
0.3460

 76.5018, 0.3331,  
0.3380

 87.4170, 0.3157,  
0.3304

 97.7918, 0.3053,  
0.3290

# Harmonies

## Analogous

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



28.9370, 0.5198, 0.3012



28.9370, 0.5493, 0.3761



28.9370, 0.5004, 0.4591

# Triad

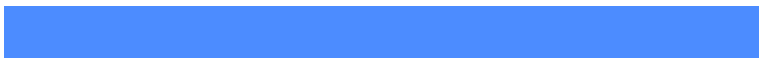
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



28.9370, 0.5493, 0.3761



28.9370, 0.2005, 0.4568



28.9370, 0.1886, 0.1606

# Complementary

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



28.9370, 0.5493, 0.3761



41.2666, 0.2062, 0.2478

# 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.



28.9370, 0.1368, 0.1662



28.9370, 0.5493, 0.3761



28.9370, 0.1387, 0.3075

# Square

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



28.9370, 0.5493, 0.3761



28.9370, 0.3000, 0.5585



28.9370, 0.1204, 0.2092



28.9370, 0.2828, 0.1843



# Rectangle

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



28.9370, 0.5493, 0.3761



28.9370, 0.4415, 0.5149



28.9370, 0.1204, 0.2092



28.9370, 0.1669, 0.1590

# Sweetspot

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



28.9386, 0.5493, 0.3761



71.2056, 0.3611, 0.3486



24.4234, 0.3891, 0.2031



14.5053, 0.3697, 0.3515



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.



28.9386, 0.5493, 0.3761



26.8969, 0.5957, 0.3635



60.4815, 0.4481, 0.4670



17.2836, 0.3286, 0.3361



13.2114, 0.5971, 0.3641



1.3325, 0.5726, 0.3835

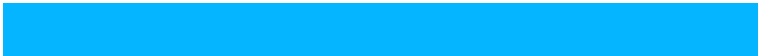


# Inverse Universe

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



41.2666, 0.2062, 0.2478



40.2465, 0.1973, 0.2294



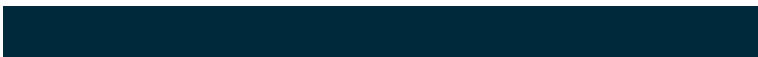
13.8390, 0.1707, 0.1145



17.8791, 0.2980, 0.3218



19.7649, 0.1970, 0.2293



1.9155, 0.2009, 0.2433



# Previews

## White Background



This preview shows how the Yxy color 28.9370, 0.5493, 0.3761 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 28.9370, 0.5493, 0.3761 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 28.9370, 0.5493, 0.3761**

## Background



This preview shows how black text looks on a background with the Yxy color 28.9370, 0.5493, 0.3761.



This preview shows how white text looks on a background with the Yxy color 28.9370, 0.5493, 0.3761.

# 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

28.9370, 0.5493, 0.3761

### Protanopia

29.0455, 0.4169, 0.4577

### Deuteranopia

28.8733, 0.4635, 0.4540



## Tritanopia

28.9411, 0.4964, 0.3237

# Trichromacy



## Original Color

28.9370, 0.5493, 0.3761

## Protanomaly

27.8180, 0.4688, 0.4244

## Deuteranomaly

28.1649, 0.4983, 0.4225

## Tritanomaly

28.7660, 0.5196, 0.3453

# Monochromacy



## Original Color

28.9370, 0.5493, 0.3761

## Achromatopsia

25.4152, 0.3127, 0.3290

## Achromatomaly

24.8968, 0.4016, 0.3604

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.9370, 0.5493, 0.3761 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(243, 103, 44)` looks like.

```
.text, #text, p{  
    color:rgb(243, 103, 44)  
}
```

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(243, 103, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 103, 44) }
```

## Border

The CSS property to change the border of an element to Yxy 28.9370, 0.5493, 0.3761 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(243, 103, 44) }
```

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

```
.border{ border-color:rgb(243, 103, 44) }
```

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

Here you see how a box with a 4 pixel rgb(243, 103, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 103, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 103, 44);  
box-shadow:4px 4px 4px 4px rgb(243, 103,  
44) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.9370, 0.5493, 0.3761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 103, 44) }
```

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

```
.background{ background-color: rgb(243,  
103, 44) }
```

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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