

# Converting Colors

$Y_{xy}(32.2593, 0.5591, 0.3847)$

Have a look what the booklet for  
Yxy(32.2593, 0.5591, 0.3847)  
contains.

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# Color

**Yxy(32.2719, 0.5589, 0.3846)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF6D1A
RGB	255, 109, 26
RGB Percent	100%, 43%, 10%
CMY	0.0000, 0.5725, 0.8976
CMYK	0.00, 0.57, 0.90, 0.00
HSL	22°, 100%, 55%
HSV	22°, 90%, 100%
XYZ	46.8975, 32.2719, 4.7409
YIQ	143.1920, 113.6590, 5.1390

# Conversions

## Conversions Part 2

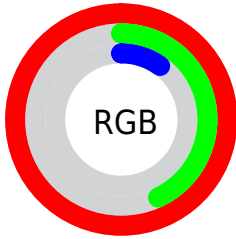
Format	Color
R <sub>Y</sub> B	255, 156, 26
Decimal	16739610
CIE Lab	63.57, 52.14, 66.82
CIE LCh	64, 84.758, 52.037
Yxy	32.2719, 0.5589, 0.3846
Android (android.graphics.Color)	4294929690 (0xFFFF6D1A)
YUV	143.1920, -57.7757, 98.0556
Hunter-Lab	56.8084, 47.9439, 34.8178

# Details

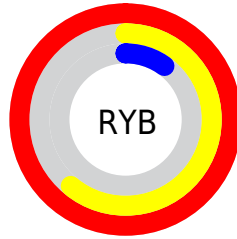
The Yxy color **32.2719, 0.5589, 0.3846** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **36.9875, 0.1953, 0.2173**, and the grayscale version is **27.7557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4201, 0.4716, 0.4075**, and **13.5855, 0.6003, 0.3616** is the 20% darker color. If you saturate the color by 10%, you get **29.0440, 0.5830, 0.3751**, and if you desaturate by 10%, it is **36.2396, 0.5289, 0.3894**.

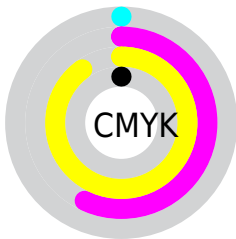
# Distribution



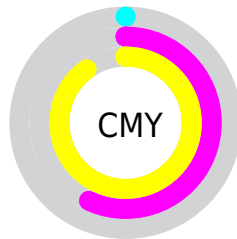
- Red (100%)
- Green (43%)
- Blue (10%)



- Red (100%)
- Yellow (61%)
- Blue (10%)



- Cyan (0%)
- Magenta (57%)
- Yellow (90%)
- Black (0%)




- Cyan (0%)
- Magenta (57%)
- Yellow (90%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 32.2719, 0.5589, 0.3846 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 32.2719, 0.5589, 0.3846 by changing the saturation by 10% instead.




 32.2719, 0.5589,  
0.3846


 32.2719, 0.5589,  
0.3846


312.3560, 0.4380,  
0.3747


 21.5693, 0.5841,  
0.3799


 63.2371, 0.5179,  
0.3863


 13.5407, 0.6135,  
0.3707


 84.2685, 0.5014,  
0.3853


 7.8020, 0.6466,  
0.3534


 109.5115, 0.4871,  
0.3838

 3.9685, 0.6791,  
0.3209

 139.3506, 0.4747,  
0.3821

 1.6559, 0.7267,  
0.2733

 174.1703, 0.4637,  
0.3802

 0.3949, 0.8304,  
0.1696

 214.3548, 0.4541,


 0.0000, 1.0000,


0.3784


0.0000

 260.2885, 0.4456,  
0.3765

 0.0000, 0.0000,  
0.0000


 32.2719, 0.5589,  
0.3846


 32.2719, 0.5589,  
0.3846


 29.0440, 0.5830,  
0.3751

 36.2396, 0.5289,  
0.3894

 28.9747, 0.5835,  
0.3749

 41.0048, 0.4951,  
0.3890

 46.6165, 0.4607,  
0.3844

 53.1182, 0.4278,  
0.3769

 60.5497, 0.3978,  
0.3676

68.9484, 0.3714,  
0.3576

78.3493, 0.3485,  
0.3476

88.7854, 0.3290,  
0.3379

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



32.2719, 0.5416, 0.3069



32.2719, 0.5589, 0.3846



32.2719, 0.4971, 0.4728

# Triad

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



32.2719, 0.5589, 0.3846



32.2719, 0.1826, 0.4460



32.2719, 0.1915, 0.1544

# Complementary

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



32.2719, 0.5589, 0.3846



36.9875, 0.1953, 0.2173

# 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.



32.2719, 0.1334, 0.1559



32.2719, 0.5589, 0.3846



32.2719, 0.1255, 0.2881

# Square

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



32.2719, 0.5589, 0.3846



32.2719, 0.2826, 0.5696



32.2719, 0.1123, 0.1938



32.2719, 0.2957, 0.1824



# Rectangle

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



32.2719, 0.5589, 0.3846



32.2719, 0.4317, 0.5324



32.2719, 0.1123, 0.1938



32.2719, 0.1674, 0.1515

# Sweetspot

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



32.2729, 0.5589, 0.3846



71.4418, 0.3647, 0.3548



25.0945, 0.4211, 0.2142



14.6337, 0.3730, 0.3583



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.



32.2729, 0.5589, 0.3846



28.9747, 0.5835, 0.3749



72.8721, 0.4433, 0.4808



19.0638, 0.3285, 0.3377



15.3972, 0.5805, 0.3773



1.6979, 0.5589, 0.3944



# Inverse Universe

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



36.9875, 0.1953, 0.2173



33.2911, 0.1898, 0.2033



10.7196, 0.1591, 0.0848



19.3101, 0.2980, 0.3202



17.6890, 0.1904, 0.2055



1.9300, 0.1948, 0.2212



# Previews

## White Background



This preview shows how the Yxy color 32.2719, 0.5589, 0.3846 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 32.2719, 0.5589, 0.3846 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 32.2719, 0.5589, 0.3846**

## Background



This preview shows how black text looks on a background with the Yxy color 32.2719, 0.5589, 0.3846.



This preview shows how white text looks on a background with the Yxy color 32.2719, 0.5589, 0.3846.

# 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

32.2719, 0.5589, 0.3846

### Protanopia

32.4669, 0.4289, 0.4752

### Deuteranopia

32.1599, 0.4722, 0.4632



## Tritanopia

32.2864, 0.4916, 0.3239

# Trichromacy



**Original Color**

32.2719, 0.5589, 0.3846

**Protanomaly**

30.9890, 0.4810, 0.4383

**Deuteranomaly**

31.5465, 0.5076, 0.4322

**Tritanomaly**

32.1326, 0.5252, 0.3530

# Monochromacy



**Original Color**

32.2719, 0.5589, 0.3846

**Achromatopsia**

27.4677, 0.3127, 0.3290

**Achromatomaly**

27.3430, 0.4120, 0.3732

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 32.2719, 0.5589, 0.3846 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(255, 109, 26)` looks like.

```
.text, #text, p{  
    color:rgb(255, 109, 26)  
}
```

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(255, 109, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 109, 26) }
```

## Border

The CSS property to change the border of an element to Yxy 32.2719, 0.5589, 0.3846 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(255, 109, 26) }
```

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

```
.border{ border-color:rgb(255, 109, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 109, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 109, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 109, 26);  
box-shadow:4px 4px 4px 4px rgb(255, 109,  
26) }
```



# Background

The CSS property to change the background color of an element to Yxy 32.2719, 0.5589, 0.3846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 109, 26) }
```

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

```
.background{ background-color: rgb(255,  
109, 26) }
```

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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