

# Converting Colors

$Y_{xy}(29.3132, 0.5805, 0.3758)$

Have a look what the booklet for  
Yxy(29.3132, 0.5805, 0.3758)  
contains.

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**Color**

**Yxy(29.2764, 0.5807, 0.3756)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF5E05
RGB	255, 94, 5
RGB Percent	100%, 37%, 2%
CMY	0.0001, 0.6312, 0.9807
CMYK	0.00, 0.63, 0.98, 0.00
HSL	21°, 100%, 51%
HSV	21°, 98%, 100%
XYZ	45.2631, 29.2764, 3.4062
YIQ	131.9930, 124.5250, 6.4530

# Conversions

## Conversions Part 2

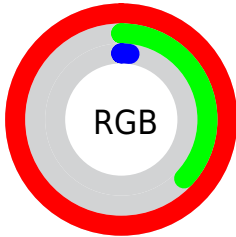
<b>Format</b>	<b>Color</b>
<b>RYB</b>	255, 143, 5
Decimal	16735749
CIELab	61.02, 58.45, 69.78
CIELCh	61, 91.029, 50.049
Yxy	29.2764, 0.5807, 0.3756
Android (android.graphics.Color)	4294925829 (0xFFFF5E05)
YUV	131.9930, -62.6075, 107.8771
Hunter-Lab	54.1077, 54.6334, 34.1429

# Details

The Yxy color **29.2764, 0.5807, 0.3756** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **34.4683, 0.1913, 0.2080**, and the grayscale version is **23.2699, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5024, 0.4930, 0.4030**, and **11.9065, 0.6223, 0.3441** is the 20% darker color. If you saturate the color by 10%, you get **28.7161, 0.5850, 0.3737**, and if you desaturate by 10%, it is **32.5998, 0.5556, 0.3846**.

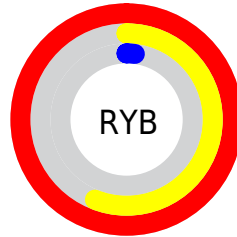
# Distribution



Red (100%)

Green (37%)

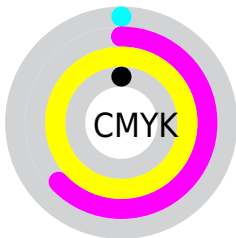
Blue (2%)



Red (100%)

Yellow (56%)

Blue (2%)

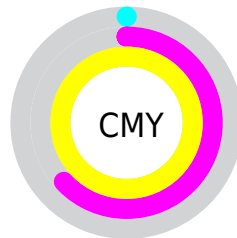


Cyan (0%)

Magenta (63%)

Yellow (98%)

Black (0%)



Cyan (0%)

Magenta (63%)


Yellow (98%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.2764, 0.5807, 0.3756 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 29.2764, 0.5807, 0.3756 by changing the saturation by 10% instead.




 29.2764, 0.5807,  
0.3756


 29.2764, 0.5807,  
0.3756


298.5169, 0.4491,  
0.3738


 19.2900, 0.6074,  
0.3677


 58.5159, 0.5365,  
0.3813

 11.8800, 0.6419,  
0.3561

 78.5379, 0.5186,  
0.3815

 6.6620, 0.6703,  
0.3297


 102.6738, 0.5030,  
0.3809

 3.2517, 0.7079,  
0.2921

 131.3081, 0.4894,  
0.3798

 1.2645, 0.7630,  
0.2370

 164.8252, 0.4774,  
0.3784

 0.1135, 0.9389,  
0.0611

 203.6094, 0.4668,


 0.0000, 1.0000,


0.3769


0.0000

 248.0451, 0.4575,  
0.3754

 0.0000, 0.0000,  
0.0000


 29.2764, 0.5807,  
0.3756

 29.2764, 0.5807,  
0.3756


 28.7161, 0.5850,  
0.3737

 32.5998, 0.5556,  
0.3846

 36.6818, 0.5245,  
0.3886

 41.5808, 0.4902,  
0.3875

 47.3447, 0.4556,  
0.3825

 54.0172, 0.4229,  
0.3747

61.6384, 0.3933,  
0.3654

70.2461, 0.3674,  
0.3555

79.8756, 0.3451,  
0.3457

90.5603, 0.3260,  
0.3362

# Harmonies

## Analogous

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



29.2764, 0.5596, 0.2961



29.2764, 0.5807, 0.3756



29.2764, 0.5129, 0.4696

# Triad

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



29.2764, 0.5807, 0.3756



29.2764, 0.1747, 0.4727



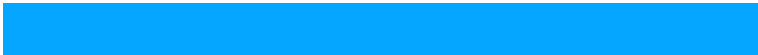
29.2764, 0.1757, 0.1412

# Complementary

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



29.2764, 0.5807, 0.3756



34.4683, 0.1913, 0.2080

# 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.



29.2764, 0.1184, 0.1441



29.2764, 0.5807, 0.3756



29.2764, 0.1131, 0.2907

# Square

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



29.2764, 0.5807, 0.3756



29.2764, 0.2822, 0.6026



29.2764, 0.0985, 0.1853



29.2764, 0.2838, 0.1684



# Rectangle

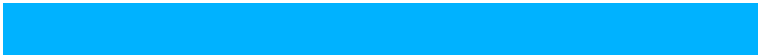
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29.2764, 0.5807, 0.3756



29.2764, 0.4416, 0.5383



29.2764, 0.0985, 0.1853



29.2764, 0.1517, 0.1387

# Sweetspot

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



29.2781, 0.5807, 0.3756



69.4211, 0.3697, 0.3564



24.1687, 0.4337, 0.2170



14.0551, 0.3804, 0.3607



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.



29.2781, 0.5807, 0.3756



28.7224, 0.5850, 0.3737



71.1320, 0.4481, 0.4816



19.0464, 0.3285, 0.3375



15.2628, 0.5821, 0.3760



1.6834, 0.5604, 0.3932

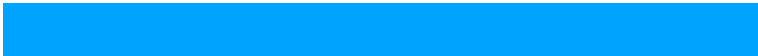


# Inverse Universe

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



34.4683, 0.1913, 0.2080



33.8123, 0.1904, 0.2054



8.9362, 0.1538, 0.0725



19.3282, 0.2980, 0.3203



17.9601, 0.1910, 0.2076



1.9552, 0.1953, 0.2230



# Previews

## White Background



This preview shows how the Yxy color 29.2764, 0.5807, 0.3756 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 29.2764, 0.5807, 0.3756 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 29.2764, 0.5807, 0.3756**

## **Background**



This preview shows how black text looks on a background with the Yxy color 29.2764, 0.5807, 0.3756.



This preview shows how white text looks on a background with the Yxy color 29.2764, 0.5807, 0.3756.

# 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

29.2764, 0.5807, 0.3756

### Protanopia

29.3614, 0.4337, 0.4805

### Deuteranopia

29.1953, 0.4711, 0.4642



## Tritanopia

29.3805, 0.5208, 0.3261

# Trichromacy



## Original Color

29.2764, 0.5807, 0.3756

## Protanomaly

27.4878, 0.4952, 0.4374

## Deuteranomaly

28.0192, 0.5172, 0.4268

## Tritanomaly

29.0900, 0.5544, 0.3518

# Monochromacy



## Original Color

29.2764, 0.5807, 0.3756

## Achromatopsia

23.0740, 0.3127, 0.3290

## Achromatomaly

22.9759, 0.4301, 0.3759

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.2764, 0.5807, 0.3756 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, 94, 5)` looks like.

```
.text, #text, p{  
    color:rgb(255, 94, 5)  
}
```

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, 94, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 94, 5) }
```

## Border

The CSS property to change the border of an element to Yxy 29.2764, 0.5807, 0.3756 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, 94, 5) }
```

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

```
.border{ border-color:rgb(255, 94, 5) }
```

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

Here you see how a box with a 4 pixel rgb(255, 94, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 94, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 94, 5);  
box-shadow:4px 4px 4px 4px rgb(255, 94, 5)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 29.2764, 0.5807, 0.3756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 94, 5) }
```

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

```
.background{ background-color: rgb(255, 94,  
5) }
```

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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