

# Converting Colors

$Y_{xy}(36.1936, 0.5277, 0.3879)$

Have a look what the booklet for  
Yxy(36.1936, 0.5277, 0.3879)  
contains.

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# Color

**Yxy(36.1936, 0.5277, 0.3879)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF7D36
RGB	255, 125, 54
RGB Percent	100%, 49%, 21%
CMY	0.0000, 0.5098, 0.7884
CMYK	0.00, 0.51, 0.79, 0.00
HSL	21°, 100%, 61%
HSV	21°, 79%, 100%
XYZ	49.2379, 36.1936, 7.8751
YIQ	155.7760, 100.2710, 5.4790

# Conversions

## Conversions Part 2

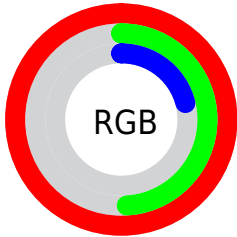
Format	Color
R <sub>Y</sub> B	255, 164, 54
Decimal	16743734
CIE Lab	66.67, 45.24, 59.20
CIE LCh	67, 74.508, 52.614
Yxy	36.1936, 0.5277, 0.3879
Android (android.graphics.Color)	4294933814 (0xFFFF7D36)
YUV	155.7760, -50.1756, 87.0194
Hunter-Lab	60.1611, 40.8084, 34.3517

# Details

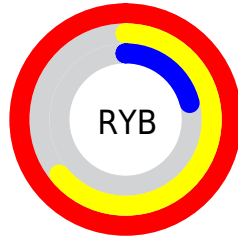
The Yxy color **36.1936, 0.5277, 0.3879** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **42.2582, 0.2041, 0.2351**, and the grayscale version is **33.3349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.9431, 0.4418, 0.4035**, and **15.7111, 0.5765, 0.3805** is the 20% darker color. If you saturate the color by 10%, you get **32.1817, 0.5585, 0.3835**, and if you desaturate by 10%, it is **41.0278, 0.4933, 0.3873**.

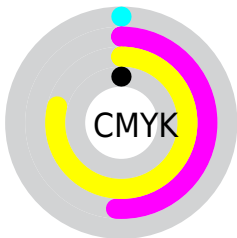
# Distribution



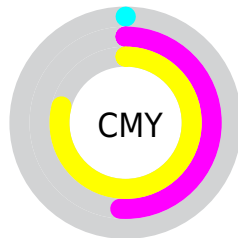
- Red (100%)
- Green (49%)
- Blue (21%)



- Red (100%)
- Yellow (64%)
- Blue (21%)



- Cyan (0%)
- Magenta (51%)
- Yellow (79%)
- Black (0%)




- Cyan (0%)
- Magenta (51%)
- Yellow (79%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.1936, 0.5277, 0.3879 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 36.1936, 0.5277, 0.3879 by changing the saturation by 10% instead.





 36.1936, 0.5277,  
0.3879


 36.1936, 0.5277,  
0.3879


329.8059, 0.4211,  
0.3711


 24.5838, 0.5512,  
0.3869


 69.3308, 0.4907,  
0.3855


 15.7672, 0.5788,  
0.3827


 91.6269, 0.4762,  
0.3835


 9.3596, 0.6142,  
0.3746


 118.2539, 0.4637,  
0.3813

 4.9765, 0.6477,  
0.3523

 149.5962, 0.4528,  
0.3791

 2.2335, 0.6868,  
0.3132

 186.0381, 0.4433,  
0.3770

 0.7381, 0.7506,  
0.2494

 227.9641, 0.4350,

 0.0000, 1.0000,

0.3749

0.0000

275.7586, 0.4276,  
0.3730

■ 0.0000, 0.0000,  
0.0000

■ 36.1936, 0.5277,  
0.3879

■ 36.1936, 0.5277,  
0.3879

■ 32.1817, 0.5585,  
0.3835

■ 41.0278, 0.4933,  
0.3873

■ 28.9268, 0.5832,  
0.3742

■ 46.7272, 0.4585,  
0.3825


■ 28.5933, 0.5858,  
0.3730

■ 53.3384, 0.4255,  
0.3750

■ 60.9021, 0.3956,  
0.3658

■ 69.4565, 0.3693,  
0.3561

 79.0375, 0.3467,  
0.3463

 89.6791, 0.3274,  
0.3368

99.9993, 0.3127,  
0.3290

# Harmonies

## Analogous

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



36.1936, 0.5092, 0.3155



36.1936, 0.5277, 0.3879



36.1936, 0.4785, 0.4649

# Triad

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



36.1936, 0.5277, 0.3879



36.1936, 0.2008, 0.4243



36.1936, 0.2086, 0.1740

# Complementary

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



36.1936, 0.5277, 0.3879



42.2582, 0.2041, 0.2351

# 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.



36.1936, 0.1540, 0.1758



36.1936, 0.5277, 0.3879



36.1936, 0.1475, 0.2954

# Square

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



36.1936, 0.5277, 0.3879



36.1936, 0.2904, 0.5270



36.1936, 0.1340, 0.2119



36.1936, 0.3016, 0.2001



# Rectangle

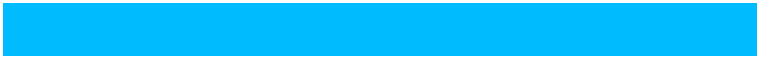
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.1936, 0.5277, 0.3879



36.1936, 0.4228, 0.5117



36.1936, 0.1340, 0.2119



36.1936, 0.1862, 0.1713

# Sweetspot

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



36.1956, 0.5277, 0.3879



73.9667, 0.3579, 0.3513



27.3807, 0.4039, 0.2157



15.1167, 0.3662, 0.3548



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.



36.1956, 0.5277, 0.3879



30.0937, 0.5744, 0.3782



75.2893, 0.4341, 0.4751



19.0374, 0.3285, 0.3375



15.1945, 0.5829, 0.3754



1.6760, 0.5612, 0.3926

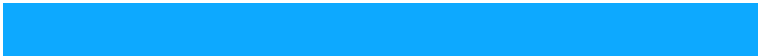


# Inverse Universe

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



42.2582, 0.2041, 0.2351



35.8202, 0.1932, 0.2131



14.3606, 0.1707, 0.1077



19.3376, 0.2980, 0.3204



18.1011, 0.1913, 0.2087



1.9683, 0.1955, 0.2239



# Previews

## White Background



This preview shows how the Yxy color 36.1936, 0.5277, 0.3879 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 36.1936, 0.5277, 0.3879 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 36.1936, 0.5277, 0.3879**

## **Background**



This preview shows how black text looks on a background with the Yxy color 36.1936, 0.5277, 0.3879.



This preview shows how white text looks on a background with the Yxy color 36.1936, 0.5277, 0.3879.

# 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

36.1936, 0.5277, 0.3879

### Protanopia

36.3883, 0.4156, 0.4572

### Deuteranopia

36.1304, 0.4588, 0.4491



## Tritanopia

36.2252, 0.4609, 0.3224

# Trichromacy



## Original Color

36.1936, 0.5277, 0.3879

## Protanomaly

35.2310, 0.4588, 0.4302

## Deuteranomaly

35.5463, 0.4865, 0.4240

## Tritanomaly

36.0992, 0.4905, 0.3506

# Monochromacy



## Original Color

36.1936, 0.5277, 0.3879

## Achromatopsia

33.2452, 0.3127, 0.3290

## Achromatomaly

32.7892, 0.3914, 0.3647

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.1936, 0.5277, 0.3879 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, 125, 54)` looks like.

```
.text, #text, p{  
    color:rgb(255, 125, 54)  
}
```

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, 125, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 125, 54) }
```

## Border

The CSS property to change the border of an element to Yxy 36.1936, 0.5277, 0.3879 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, 125, 54) }
```

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

```
.border{ border-color:rgb(255, 125, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 125, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 125, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 125, 54);  
box-shadow:4px 4px 4px 4px rgb(255, 125,  
54) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 36.1936, 0.5277, 0.3879$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 125, 54) }
```

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

```
.background{ background-color: rgb(255,  
125, 54) }
```

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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