

# Converting Colors

Yxy(31.0808, 0.5383, 0.3558)

Have a look what the booklet for  
Yxy(31.0808, 0.5383, 0.3558)  
contains.

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# Color

**Yxy(31.0096, 0.5383, 0.3552)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF6546
RGB	255, 101, 70
RGB Percent	100%, 40%, 27%
CMY	0.0001, 0.6038, 0.7256
CMYK	0.00, 0.60, 0.73, 0.00
HSL	10°, 100%, 64%
HSV	10°, 73%, 100%
XYZ	46.9946, 31.0096, 9.2976
YIQ	143.5120, 101.7350, 23.0070

# Conversions

## Conversions Part 2

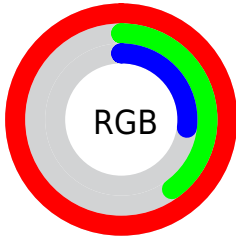
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 107, 70
Decimal	16737606
CIE Lab	62.52, 56.94, 47.30
CIE LCh	63, 74.026, 39.716
Yxy	31.0096, 0.5383, 0.3552
Android (android.graphics.Color)	4294927686 (0xFFFF6546)
YUV	143.5120, -36.2414, 97.7750
Hunter-Lab	55.6863, 53.1881, 29.0810

# Details

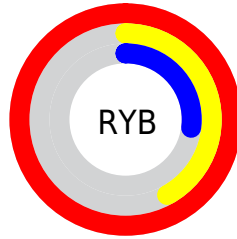
The Yxy color **31.0096, 0.5383, 0.3552** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **61.7931, 0.2216, 0.2901**, and the grayscale version is **27.8037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.7300, 0.4456, 0.3673**, and **12.8660, 0.6005, 0.3433** is the 20% darker color. If you saturate the color by 10%, you get **27.1518, 0.5784, 0.3525**, and if you desaturate by 10%, it is **36.0710, 0.4950, 0.3549**.

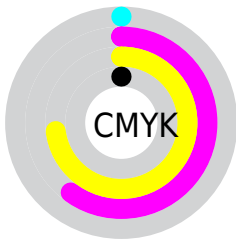
# Distribution



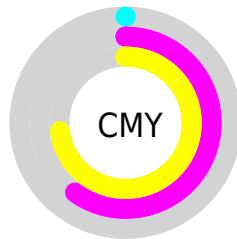
- Red (100%)
- Green (40%)
- Blue (27%)



- Red (100%)
- Yellow (42%)
- Blue (27%)



- Cyan (0%)
- Magenta (60%)
- Yellow (73%)
- Black (0%)




- Cyan (0%)
- Magenta (60%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 31.0096, 0.5383, 0.3552 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 31.0096, 0.5383, 0.3552 by changing the saturation by 10% instead.





 31.0096, 0.5383,  
0.3552


 31.0096, 0.5383,  
0.3552


306.5825, 0.4211,  
0.3532

 20.6062, 0.5664,  
0.3512


 61.2552, 0.4960,  
0.3577


 12.8364, 0.6008,  
0.3432


 81.8661, 0.4799,  
0.3577


 7.3160, 0.6437,  
0.3288


 106.6483, 0.4662,  
0.3572

 3.6605, 0.6972,  
0.3028

 135.9862, 0.4545,  
0.3566

 1.4855, 0.7486,  
0.2514

 170.2642, 0.4444,  
0.3558

 0.2785, 0.8747,  
0.1253

209.8667, 0.4356,

 0.0000, 1.0000,

0.3549

0.0000

255.1780, 0.4279,  
0.3541

0.0000, 0.0000,  
0.0000

31.0096, 0.5383,  
0.3552

31.0096, 0.5383,  
0.3552

27.1518, 0.5784,  
0.3525

36.0710, 0.4950,  
0.3549

24.3900, 0.6098,  
0.3467

42.4209, 0.4533,  
0.3524

22.9705, 0.6256,  
0.3414

50.1423, 0.4159,  
0.3484

59.3097, 0.3839,  
0.3438

69.9923, 0.3571,  
0.3391

 82.2547, 0.3350,  
0.3344

 96.1577, 0.3168,  
0.3301

99.9972, 0.3127,  
0.3290

# Harmonies

## Analogous

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



31.0096, 0.4848, 0.2840



31.0096, 0.5383, 0.3552



31.0096, 0.5125, 0.4330

# Triad

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



31.0096, 0.5383, 0.3552



31.0096, 0.2320, 0.4862



31.0096, 0.1758, 0.1659

# Complementary

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



31.0096, 0.5383, 0.3552



61.7931, 0.2216, 0.2901

# 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.



31.0096, 0.1359, 0.1811



31.0096, 0.5383, 0.3552



31.0096, 0.1594, 0.3475

# Square

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



31.0096, 0.5383, 0.3552



31.0096, 0.3330, 0.5504



31.0096, 0.1295, 0.2368



31.0096, 0.2545, 0.1809



# Rectangle

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



31.0096, 0.5383, 0.3552



31.0096, 0.4640, 0.4866



31.0096, 0.1295, 0.2368



31.0096, 0.1585, 0.1673

# Sweetspot

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



31.0114, 0.5383, 0.3552



70.6453, 0.3557, 0.3388



31.0236, 0.3522, 0.1921



14.4629, 0.3624, 0.3401



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.



31.0114, 0.5383, 0.3552



25.7998, 0.5937, 0.3503



59.9776, 0.4534, 0.4424



18.4796, 0.3290, 0.3331



12.1474, 0.6234, 0.3432



1.3142, 0.6041, 0.3585

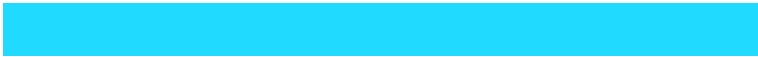


# Inverse Universe

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



61.7931, 0.2216, 0.2901



57.5646, 0.2135, 0.2813



24.9254, 0.1898, 0.1644



19.9318, 0.2980, 0.3249



28.6195, 0.2096, 0.2744



2.9180, 0.2115, 0.2813



# Previews

## White Background



This preview shows how the Yxy color 31.0096, 0.5383, 0.3552 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 31.0096, 0.5383, 0.3552 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 31.0096, 0.5383, 0.3552**

## **Background**



This preview shows how black text looks on a background with the Yxy color 31.0096, 0.5383, 0.3552.



This preview shows how white text looks on a background with the Yxy color 31.0096, 0.5383, 0.3552.

# 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

31.0096, 0.5383, 0.3552

### Protanopia

31.2353, 0.3912, 0.4268

### Deuteranopia

30.9748, 0.4428, 0.4347



## Tritanopia

30.9948, 0.5030, 0.3241

# Trichromacy



**Original Color**

31.0096, 0.5383, 0.3552

**Protanomaly**

29.3600, 0.4477, 0.3968

**Deuteranomaly**

29.8056, 0.4817, 0.4011

**Tritanomaly**

30.9564, 0.5167, 0.3358

# Monochromacy



**Original Color**

31.0096, 0.5383, 0.3552

**Achromatopsia**

27.8894, 0.3127, 0.3290

**Achromatomaly**

26.9130, 0.3935, 0.3450

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 31.0096, 0.5383, 0.3552 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, 101, 70)` looks like.

```
.text, #text, p{  
    color:rgb(255, 101, 70)  
}
```

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, 101, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 101, 70) }
```

## Border

The CSS property to change the border of an element to Yxy 31.0096, 0.5383, 0.3552 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, 101, 70) }
```

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

```
.border{ border-color:rgb(255, 101, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 101, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 101, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 101, 70);  
box-shadow:4px 4px 4px 4px rgb(255, 101,  
70) }
```



# Background

The CSS property to change the background color of an element to Yxy 31.0096, 0.5383, 0.3552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 101, 70) }
```

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

```
.background{ background-color: rgb(255,  
101, 70) }
```

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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