

# Converting Colors

$Y_{xy}(32.1000, 0.5240, 0.3465)$

Have a look what the booklet for  
Yxy(32.1000, 0.5240, 0.3465)  
contains.

<b>Yxy(31.6006, 0.5226, 0.3463)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(31.6006, 0.5226, 0.3463)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF6754
RGB	255, 103, 84
RGB Percent	100%, 40%, 33%
CMY	0.0000, 0.5960, 0.6708
CMYK	0.00, 0.60, 0.67, 0.00
HSL	7°, 100%, 66%
HSV	7°, 67%, 100%
XYZ	47.6883, 31.6006, 11.9631
YIQ	146.2820, 96.6910, 26.3150

# Conversions

## Conversions Part 2

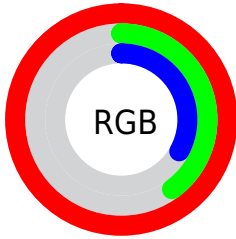
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 105, 84
Decimal	16738132
CIE Lab	63.01, 56.74, 40.44
CIE LCh	63, 69.676, 35.474
Yxy	31.6006, 0.5226, 0.3463
Android (android.graphics.Color)	4294928212 (0xFFFF6754)
YUV	146.2820, -30.7050, 95.3457
Hunter-Lab	56.2144, 53.0516, 26.7324

# Details

The Yxy color **31.6006, 0.5226, 0.3463** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted orange. A complement of this color would be **69.0541, 0.2287, 0.3056**, and the grayscale version is **28.9657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.7775, 0.4310, 0.3554**, and **13.0931, 0.5835, 0.3355** is the 20% darker color. If you saturate the color by 10%, you get **27.3595, 0.5667, 0.3452**, and if you desaturate by 10%, it is **37.2115, 0.4776, 0.3454**.

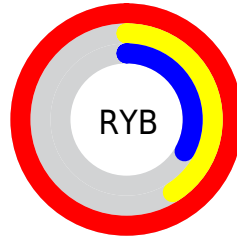
# Distribution



Red (100%)

Green (40%)

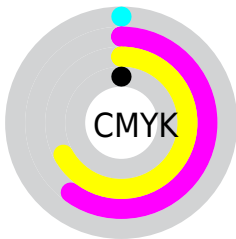
Blue (33%)



Red (100%)

Yellow (41%)

Blue (33%)

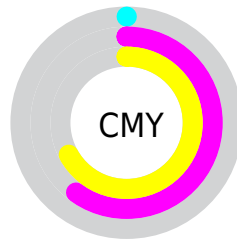


Cyan (0%)

Magenta (60%)

Yellow (67%)

Black (0%)



Cyan (0%)

Magenta (60%)

Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 31.6006, 0.5226, 0.3463 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 31.6006, 0.5226, 0.3463 by changing the saturation by 10% instead.





 31.6006, 0.5226,  
0.3463


 31.6006, 0.5226,  
0.3463


309.2958, 0.4125,  
0.3465


 21.0566, 0.5499,  
0.3427


 62.1844, 0.4823,  
0.3489

 13.1654, 0.5841,  
0.3359


 82.9931, 0.4671,  
0.3491


 7.5425, 0.6270,  
0.3231


 107.9920, 0.4544,  
0.3490

 3.8037, 0.6946,  
0.3054

 137.5657, 0.4435,  
0.3486

 1.5643, 0.7449,  
0.2551

 172.0986, 0.4341,  
0.3481

 0.3334, 0.8588,  
0.1412

211.9749, 0.4259,

 0.0000, 1.0000,

0.3476

0.0000

257.5792, 0.4188,  
0.3471

0.0000, 0.0000,  
0.0000

31.6006, 0.5226,  
0.3463

31.6006, 0.5226,  
0.3463

27.3595, 0.5667,  
0.3452

37.2115, 0.4776,  
0.3454

24.3650, 0.6037,  
0.3420

44.2910, 0.4360,  
0.3433

22.4804, 0.6278,  
0.3370

52.9346, 0.3998,  
0.3404

22.1102, 0.6328,  
0.3358

63.2284, 0.3696,  
0.3372

75.2523, 0.3448,  
0.3340

 89.0807, 0.3247,  
0.3310

99.9995, 0.3127,  
0.3290

# Harmonies

## Analogous

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



31.6006, 0.4611, 0.2782



31.6006, 0.5226, 0.3463



31.6006, 0.5099, 0.4201

# Triad

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



31.6006, 0.5226, 0.3463



31.6006, 0.2506, 0.4891



31.6006, 0.1752, 0.1739

# Complementary

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



31.6006, 0.5226, 0.3463



69.0541, 0.2287, 0.3056

# 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.



31.6006, 0.1413, 0.1940



31.6006, 0.5226, 0.3463



31.6006, 0.1754, 0.3655

# Square

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



31.6006, 0.5226, 0.3463



31.6006, 0.3485, 0.5357



31.6006, 0.1402, 0.2548



31.6006, 0.2453, 0.1843



# Rectangle

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



31.6006, 0.5226, 0.3463



31.6006, 0.4692, 0.4705



31.6006, 0.1402, 0.2548



31.6006, 0.1601, 0.1769

# Sweetspot

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



31.6024, 0.5226, 0.3463



71.5572, 0.3516, 0.3349



33.7591, 0.3366, 0.1899



14.5858, 0.3584, 0.3358



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.



31.6024, 0.5226, 0.3463



26.3617, 0.5785, 0.3445



57.2609, 0.4516, 0.4273



18.3128, 0.3292, 0.3317



11.6569, 0.6311, 0.3371



1.2359, 0.6153, 0.3496



# Inverse Universe

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



69.0541, 0.2287, 0.3056



65.7845, 0.2209, 0.3005



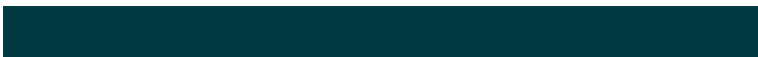
31.6788, 0.2016, 0.1936



20.1152, 0.2980, 0.3263



32.4969, 0.2149, 0.2934



3.2585, 0.2161, 0.2979



# Previews

## White Background



This preview shows how the Yxy color 31.6006, 0.5226, 0.3463 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

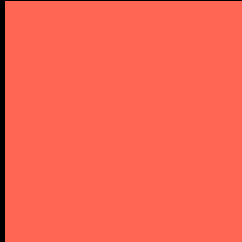
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 31.6006, 0.5226, 0.3463 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 31.6006, 0.5226, 0.3463**

## Background



This preview shows how black text looks on a background with the Yxy color 31.6006, 0.5226, 0.3463.



This preview shows how white text looks on a background with the Yxy color 31.6006, 0.5226, 0.3463.

# 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

31.6006, 0.5226, 0.3463

### Protanopia

31.8488, 0.3759, 0.4056

### Deuteranopia

31.7709, 0.4289, 0.4216



## Tritanopia

31.6289, 0.4972, 0.3240

# Trichromacy



**Original Color**

31.6006, 0.5226, 0.3463

**Protanomaly**

30.1599, 0.4304, 0.3816

**Deuteranomaly**

30.5268, 0.4659, 0.3892

**Tritanomaly**

31.6636, 0.5063, 0.3323

# Monochromacy



**Original Color**

31.6006, 0.5226, 0.3463

**Achromatopsia**

28.7441, 0.3127, 0.3290

**Achromatomaly**

27.8344, 0.3875, 0.3391

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 31.6006, 0.5226, 0.3463 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, 103, 84)` looks like.

```
.text, #text, p{  
    color:rgb(255, 103, 84)  
}
```

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, 103, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 103, 84) }
```

## Border

The CSS property to change the border of an element to Yxy 31.6006, 0.5226, 0.3463 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, 103, 84) }
```

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

```
.border{ border-color:rgb(255, 103, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 103, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 103, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 103, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 103,  
84) }
```



# Background

The CSS property to change the background color of an element to Yxy 31.6006, 0.5226, 0.3463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 103, 84) }
```

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

```
.background{ background-color: rgb(255,  
103, 84) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor