

# Converting Colors

$Y_{xy}(31.4981, 0.5121, 0.3361)$

Have a look what the booklet for  
Yxy(31.4981, 0.5121, 0.3361)  
contains.

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# Color

**Yxy(31.5709, 0.5122, 0.3368)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF665E
RGB	255, 102, 94
RGB Percent	100%, 40%, 37%
CMY	0.0000, 0.6000, 0.6313
CMYK	0.00, 0.60, 0.63, 0.00
HSL	3°, 100%, 68%
HSV	3°, 63%, 100%
XYZ	48.0125, 31.5709, 14.1544
YIQ	146.8350, 93.7560, 29.9480

# Conversions

## Conversions Part 2

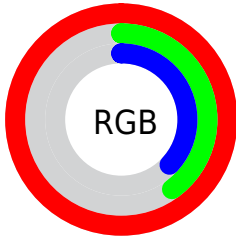
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 102, 94
Decimal	16737886
CIE Lab	62.99, 57.75, 34.87
CIE LCh	63, 67.458, 31.124
Yxy	31.5709, 0.5122, 0.3368
Android (android.graphics.Color)	4294927966 (0xFFFF665E)
YUV	146.8350, -26.0477, 94.8607
Hunter-Lab	56.1880, 54.1989, 24.3957

# Details

The Yxy color **31.5709, 0.5122, 0.3368** 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 **76.1217, 0.2346, 0.3193**, and the grayscale version is **29.1879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.7581, 0.4207, 0.3430**, and **13.1395, 0.5741, 0.3264** is the 20% darker color. If you saturate the color by 10%, you get **27.1003, 0.5590, 0.3366**, and if you desaturate by 10%, it is **37.5873, 0.4659, 0.3362**.

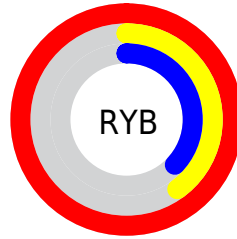
# Distribution



Red (100%)

Green (40%)

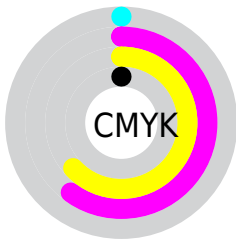
Blue (37%)



Red (100%)

Yellow (40%)

Blue (37%)

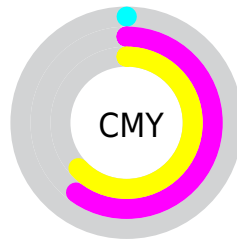


Cyan (0%)

Magenta (60%)

Yellow (63%)

Black (0%)



Cyan (0%)

Magenta (60%)


Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 31.5709, 0.5122, 0.3368 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 31.5709, 0.5122, 0.3368 by changing the saturation by 10% instead.




 31.5709, 0.5122,  
0.3368


 31.5709, 0.5122,  
0.3368


309.1599, 0.4067,  
0.3404


 21.0340, 0.5390,  
0.3330


 62.1378, 0.4732,  
0.3402

 13.1488, 0.5730,  
0.3262


 82.9365, 0.4587,  
0.3408

 7.5311, 0.6166,  
0.3141


 107.9246, 0.4465,  
0.3411

 3.7964, 0.6795,  
0.2947

 137.4866, 0.4362,  
0.3412

 1.5603, 0.7482,  
0.2518

172.0066, 0.4272,  
0.3411

 0.3306, 0.8622,  
0.1378

211.8693, 0.4195,


 0.0000, 1.0000,


0.3409


0.0000


257.4589, 0.4127,  
0.3407


 0.0000, 0.0000,  
0.0000


 31.5709, 0.5122,  
0.3368


 31.5709, 0.5122,  
0.3368

 27.1003, 0.5590,  
0.3366


 37.5873, 0.4659,  
0.3362

 24.0303, 0.5997,  
0.3353


 45.2685, 0.4243,  
0.3351

 22.1960, 0.6273,  
0.3332

 54.7270, 0.3891,  
0.3336

 21.5395, 0.6376,  
0.3319

 66.0645, 0.3601,  
0.3322

 79.3746, 0.3366,  
0.3307

94.7450, 0.3178,  
0.3294

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.



31.5709, 0.4427, 0.2709



31.5709, 0.5122, 0.3368



31.5709, 0.5107, 0.4085

# Triad

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



31.5709, 0.5122, 0.3368



31.5709, 0.2662, 0.4960



31.5709, 0.1717, 0.1785

# Complementary

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



31.5709, 0.5122, 0.3368



76.1217, 0.2346, 0.3193

# 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.



31.5709, 0.1431, 0.2036



31.5709, 0.5122, 0.3368



31.5709, 0.1877, 0.3830

# Square

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



31.5709, 0.5122, 0.3368



31.5709, 0.3626, 0.5276



31.5709, 0.1470, 0.2701



31.5709, 0.2350, 0.1846



# Rectangle

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



31.5709, 0.5122, 0.3368



31.5709, 0.4761, 0.4576



31.5709, 0.1470, 0.2701



31.5709, 0.1585, 0.1830

# Sweetspot

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



31.5724, 0.5122, 0.3368



71.3231, 0.3498, 0.3316



36.1459, 0.3245, 0.1879



14.4796, 0.3568, 0.3320



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.



31.5724, 0.5122, 0.3368



26.0840, 0.5716, 0.3363



54.6584, 0.4504, 0.4134



18.1317, 0.3293, 0.3302



11.3151, 0.6366, 0.3327



1.1504, 0.6286, 0.3391



# Inverse Universe

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



76.1217, 0.2346, 0.3193



73.7474, 0.2268, 0.3171



38.0271, 0.2109, 0.2174



20.3176, 0.2980, 0.3278



37.1248, 0.2204, 0.3134



3.6604, 0.2209, 0.3153



# Previews

## White Background



This preview shows how the Yxy color 31.5709, 0.5122, 0.3368 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 31.5709, 0.5122, 0.3368 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 31.5709, 0.5122, 0.3368**

## **Background**



This preview shows how black text looks on a background with the Yxy color 31.5709, 0.5122, 0.3368.



This preview shows how white text looks on a background with the Yxy color 31.5709, 0.5122, 0.3368.

# 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

31.5709, 0.5122, 0.3368

### Protanopia

31.8899, 0.3621, 0.3883

### Deuteranopia

31.6688, 0.4178, 0.4108



## Tritanopia

31.6289, 0.4972, 0.3240

# Trichromacy



## Original Color

31.5709, 0.5122, 0.3368

## Protanomaly

29.9820, 0.4167, 0.3653

## Deuteranomaly

30.5354, 0.4547, 0.3789

## Tritanomaly

31.5267, 0.5034, 0.3286

# Monochromacy



## Original Color

31.5709, 0.5122, 0.3368

## Achromatopsia

29.1771, 0.3127, 0.3290

## Achromatomaly

28.2302, 0.3811, 0.3334

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 31.5709, 0.5122, 0.3368 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, 102, 94)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 94)  
}
```

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, 102, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 94) }
```

## Border

The CSS property to change the border of an element to Yxy 31.5709, 0.5122, 0.3368 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, 102, 94) }
```

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

```
.border{ border-color:rgb(255, 102, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 102, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 94);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
94) }
```



# Background

The CSS property to change the background color of an element to Yxy 31.5709, 0.5122, 0.3368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 94) }
```

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

```
.background{ background-color: rgb(255,  
102, 94) }
```

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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