

# Converting Colors

$Y_{xy}(30.6756, 0.5310, 0.3459)$

Have a look what the booklet for  
Yxy(30.6756, 0.5310, 0.3459)  
contains.

<b>Yxy(30.7482, 0.5311, 0.3466)</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(30.7482, 0.5311, 0.3466)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF634F
RGB	255, 99, 79
RGB Percent	100%, 39%, 31%
CMY	0.0000, 0.6118, 0.6902
CMYK	0.00, 0.61, 0.69, 0.00
HSL	7°, 100%, 65%
HSV	7°, 69%, 100%
XYZ	47.1159, 30.7482, 10.8497
YIQ	143.3640, 99.3960, 26.8520

# Conversions

## Conversions Part 2

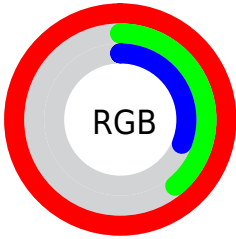
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 102, 79
Decimal	16737103
CIE <sub>Lab</sub>	62.29, 58.24, 42.27
CIE <sub>LCh</sub>	62, 71.959, 35.973
Yxy	30.7482, 0.5311, 0.3466
Android (android.graphics.Color)	4294927183 (0xFFFF634F)
YUV	143.3640, -31.7315, 97.9048
Hunter-Lab	55.4511, 54.6293, 27.2149

# Details

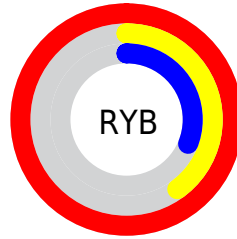
The Yxy color **30.7482, 0.5311, 0.3466** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle washed orange. A complement of this color would be **68.3024, 0.2272, 0.3044**, and the grayscale version is **27.7205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2877, 0.4382, 0.3563**, and **12.7038, 0.5938, 0.3350** is the 20% darker color. If you saturate the color by 10%, you get **26.7455, 0.5743, 0.3451**, and if you desaturate by 10%, it is **36.0915, 0.4859, 0.3461**.

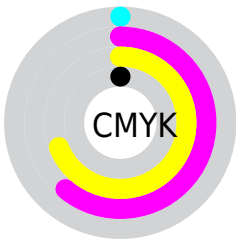
# Distribution



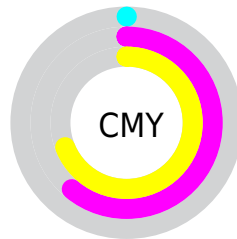
- Red (100%)
- Green (39%)
- Blue (31%)



- Red (100%)
- Yellow (40%)
- Blue (31%)



- Cyan (0%)
- Magenta (61%)
- Yellow (69%)
- Black (0%)



- Cyan (0%)
- Magenta (61%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.7482, 0.5311, 0.3466 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 30.7482, 0.5311, 0.3466 by changing the saturation by 10% instead.




 30.7482, 0.5311,  
0.3466

 30.7482, 0.5311,  
0.3466


305.3766, 0.4165,  
0.3476

 20.4072, 0.5594,  
0.3424

 60.8434, 0.4892,  
0.3498


 12.6914, 0.5945,  
0.3347


 81.3664, 0.4734,  
0.3501


 7.2164, 0.6381,  
0.3203


 106.0522, 0.4601,  
0.3500

 3.5978, 0.7018,  
0.2982

 135.2851, 0.4488,  
0.3497

 1.4512, 0.7540,  
0.2460

 169.4497, 0.4390,  
0.3492

 0.2540, 0.8852,  
0.1148

208.9301, 0.4305,

 0.0000, 1.0000,

0.3487

0.0000


254.1110, 0.4231,  
0.3481


 0.0000, 0.0000,  
0.0000

 30.7482, 0.5311,  
0.3466


 30.7482, 0.5311,  
0.3466


 26.7455, 0.5743,  
0.3451


 36.0915, 0.4859,  
0.3461


 23.9631, 0.6092,  
0.3414


 42.8808, 0.4435,  
0.3440


 22.2555, 0.6309,  
0.3363

 51.2110, 0.4063,  
0.3412

 22.1373, 0.6325,  
0.3360

 61.1691, 0.3750,  
0.3380

 72.8352, 0.3492,  
0.3347

 86.2846, 0.3282,  
0.3316

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.



30.7482, 0.4688, 0.2770



30.7482, 0.5311, 0.3466



30.7482, 0.5154, 0.4224

# Triad

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



30.7482, 0.5311, 0.3466



30.7482, 0.2458, 0.4953



30.7482, 0.1716, 0.1690

# Complementary

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



30.7482, 0.5311, 0.3466



68.3024, 0.2272, 0.3044

# 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.



30.7482, 0.1365, 0.1886



30.7482, 0.5311, 0.3466



30.7482, 0.1694, 0.3643

# Square

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



30.7482, 0.5311, 0.3466



30.7482, 0.3464, 0.5446



30.7482, 0.1345, 0.2498



30.7482, 0.2441, 0.1803



# Rectangle

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



30.7482, 0.5311, 0.3466



30.7482, 0.4720, 0.4749



30.7482, 0.1345, 0.2498



30.7482, 0.1560, 0.1718

# Sweetspot

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



30.7482, 0.5311, 0.3466



70.3830, 0.3539, 0.3354



32.9906, 0.3373, 0.1874



14.3586, 0.3608, 0.3363



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.



30.7482, 0.5311, 0.3466



25.4984, 0.5895, 0.3439



56.3563, 0.4560, 0.4289



18.3192, 0.3292, 0.3318



11.6723, 0.6308, 0.3373

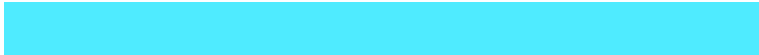


1.2388, 0.6149, 0.3500

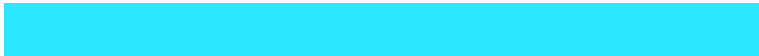


# Inverse Universe

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



68.3024, 0.2272, 0.3044



64.8678, 0.2194, 0.2988



30.5052, 0.1988, 0.1890



20.1082, 0.2980, 0.3262



32.3433, 0.2147, 0.2927



3.2451, 0.2159, 0.2972



# Previews

## White Background



This preview shows how the Yxy color 30.7482, 0.5311, 0.3466 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

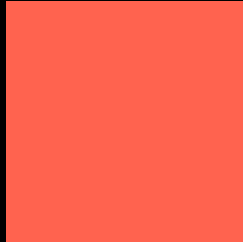
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 30.7482, 0.5311, 0.3466 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 30.7482, 0.5311, 0.3466**

## Background



This preview shows how black text looks on a background with the Yxy color 30.7482, 0.5311, 0.3466.



This preview shows how white text looks on a background with the Yxy color 30.7482, 0.5311, 0.3466.

# 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

30.7482, 0.5311, 0.3466

### Protanopia

30.8888, 0.3795, 0.4108

### Deuteranopia

30.8278, 0.4336, 0.4267



## Tritanopia

30.7887, 0.5049, 0.3241

# Trichromacy



## Original Color

30.7482, 0.5311, 0.3466

## Protanomaly

29.1110, 0.4371, 0.3842

## Deuteranomaly

29.7683, 0.4726, 0.3932

## Tritanomaly

30.8035, 0.5151, 0.3332

# Monochromacy



## Original Color

30.7482, 0.5311, 0.3466

## Achromatopsia

27.4677, 0.3127, 0.3290

## Achromatomaly

26.7252, 0.3903, 0.3392

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.7482, 0.5311, 0.3466 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, 99, 79)` looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 79)  
}
```

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, 99, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 79) }
```

## Border

The CSS property to change the border of an element to Yxy 30.7482, 0.5311, 0.3466 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, 99, 79) }
```

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

```
.border{ border-color:rgb(255, 99, 79) }
```

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

Here you see how a box with a 4 pixel rgb(255, 99, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 79);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
79) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.7482, 0.5311, 0.3466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 99, 79) }
```

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

```
.background{ background-color: rgb(255, 99,  
79) }
```

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