

# Converting Colors

$Y_{xy}(30.8387, 0.5076, 0.3269)$

Have a look what the booklet for  
Yxy(30.8387, 0.5076, 0.3269)  
contains.

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**Color**

**Yxy(30.9350, 0.5067, 0.3268)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF6265
RGB	255, 98, 101
RGB Percent	100%, 38%, 40%
CMY	0.0000, 0.6158, 0.6038
CMYK	0.00, 0.62, 0.60, 0.00
HSL	359°, 100%, 69%
HSV	359°, 62%, 100%
XYZ	47.9644, 30.9350, 15.7609
YIQ	145.2850, 92.6090, 34.2170

# Conversions

## Conversions Part 2

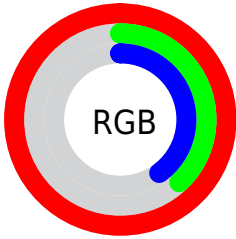
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 98, 101
Decimal	16736869
CIE Lab	62.45, 59.92, 30.25
CIE LCh	62, 67.119, 26.789
Yxy	30.9350, 0.5067, 0.3268
Android (android.graphics.Color)	4294926949 (0xFFFF6265)
YUV	145.2850, -21.8325, 96.2201
Hunter-Lab	55.6192, 56.5995, 22.1323

# Details

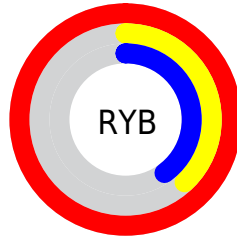
The Yxy color **30.9350, 0.5067, 0.3268** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **81.1413, 0.2390, 0.3323**, and the grayscale version is **28.4956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9697, 0.4150, 0.3325**, and **12.7959, 0.5680, 0.3151** is the 20% darker color. If you saturate the color by 10%, you get **26.4794, 0.5545, 0.3271**, and if you desaturate by 10%, it is **37.0530, 0.4601, 0.3269**.

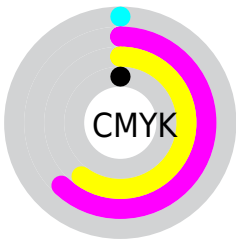
# Distribution



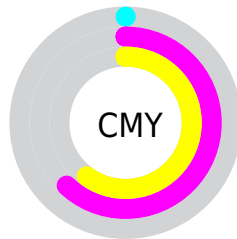
- Red (100%)
- Green (38%)
- Blue (40%)



- Red (100%)
- Yellow (38%)
- Blue (40%)



- Cyan (0%)
- Magenta (62%)
- Yellow (60%)
- Black (0%)




- Cyan (0%)
- Magenta (62%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.9350, 0.5067, 0.3268 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 30.9350, 0.5067, 0.3268 by changing the saturation by 10% instead.




 30.9350, 0.5067,  
0.3268

 30.9350, 0.5067,  
0.3268


306.2388, 0.4034,  
0.3346


 20.5494, 0.5334,  
0.3223


 61.1377, 0.4682,  
0.3315


 12.7950, 0.5676,  
0.3149


 81.7236, 0.4540,  
0.3327

 7.2875, 0.6123,  
0.3023


 106.4783, 0.4421,  
0.3334

 3.6426, 0.6736,  
0.2808

 135.7863, 0.4320,  
0.3340

 1.4757, 0.7582,  
0.2418

170.0320, 0.4233,  
0.3343

 0.2715, 0.8836,  
0.1164

209.5996, 0.4158,


 0.0000, 1.0000,


0.3345


0.0000


254.8738, 0.4092,  
0.3346


 0.0000, 0.0000,  
0.0000


 30.9350, 0.5067,  
0.3268


 30.9350, 0.5067,  
0.3268


 26.4794, 0.5545,  
0.3271


 37.0530, 0.4601,  
0.3269

 23.5307, 0.5968,  
0.3277

 44.9848, 0.4187,  
0.3272

 21.8888, 0.6262,  
0.3287

 54.8551, 0.3840,  
0.3276

 21.2708, 0.6387,  
0.3292

 66.7797, 0.3558,  
0.3280

 80.8655, 0.3332,  
0.3285

97.2121, 0.3152,  
0.3289

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.



30.9350, 0.4283, 0.2620



30.9350, 0.5067, 0.3268



30.9350, 0.5154, 0.3979

# Triad

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



30.9350, 0.5067, 0.3268



30.9350, 0.2796, 0.5072



30.9350, 0.1653, 0.1798

# Complementary

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



30.9350, 0.5067, 0.3268



81.1413, 0.2390, 0.3323

# 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.



30.9350, 0.1414, 0.2101



30.9350, 0.5067, 0.3268



30.9350, 0.1967, 0.4015

# Square

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



30.9350, 0.5067, 0.3268



30.9350, 0.3765, 0.5247



30.9350, 0.1502, 0.2837



30.9350, 0.2235, 0.1818



# Rectangle

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



30.9350, 0.5067, 0.3268



30.9350, 0.4855, 0.4472



30.9350, 0.1502, 0.2837



30.9350, 0.1537, 0.1859

# Sweetspot

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



30.9321, 0.5067, 0.3268



71.5626, 0.3472, 0.3282



36.2329, 0.3145, 0.1845



14.4797, 0.3542, 0.3281



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.



30.9321, 0.5067, 0.3268



25.6332, 0.5656, 0.3272



51.3646, 0.4542, 0.4018



17.9928, 0.3292, 0.3286



11.1169, 0.6381, 0.3289



1.0843, 0.6334, 0.3263



# Inverse Universe

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



30.9321, 0.5067, 0.3268



25.6332, 0.5656, 0.3272



43.1591, 0.2164, 0.2349



17.9928, 0.3292, 0.3286



11.1169, 0.6381, 0.3289



1.0843, 0.6334, 0.3263



# Previews

## White Background



This preview shows how the Yxy color 30.9350, 0.5067, 0.3268 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

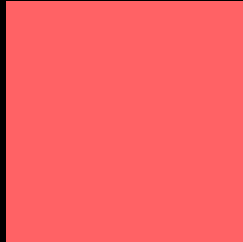
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 30.9350, 0.5067, 0.3268 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 30.9350, 0.5067, 0.3268**

## Background



This preview shows how black text looks on a background with the Yxy color 30.9350, 0.5067, 0.3268.



This preview shows how white text looks on a background with the Yxy color 30.9350, 0.5067, 0.3268.

# 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

30.9350, 0.5067, 0.3268

### Protanopia

31.0620, 0.3485, 0.3707

### Deuteranopia

31.1084, 0.4085, 0.4018



## Tritanopia

30.9948, 0.5030, 0.3241

# Trichromacy



## Original Color

30.9350, 0.5067, 0.3268

## Protanomaly

29.3656, 0.4052, 0.3509

## Deuteranomaly

29.8382, 0.4466, 0.3689

## Tritanomaly

30.9746, 0.5042, 0.3250

# Monochromacy



## Original Color

30.9350, 0.5067, 0.3268

## Achromatopsia

28.3149, 0.3127, 0.3290

## Achromatomaly

27.3376, 0.3800, 0.3278

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.9350, 0.5067, 0.3268 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, 98, 101)` looks like.

```
.text, #text, p{  
    color:rgb(255, 98, 101)  
}
```

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, 98, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 98, 101) }
```

## Border

The CSS property to change the border of an element to Yxy 30.9350, 0.5067, 0.3268 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, 98, 101) }
```

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

```
.border{ border-color:rgb(255, 98, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 98, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 98, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 98, 101);  
box-shadow:4px 4px 4px 4px rgb(255, 98,  
101) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.9350, 0.5067, 0.3268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 98, 101) }
```

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

```
.background{ background-color: rgb(255, 98,  
101) }
```

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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