

# Converting Colors

$Y_{xy}(33.7484, 0.4926, 0.3357)$

Have a look what the booklet for  
Yxy(33.7484, 0.4926, 0.3357)  
contains.

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# Color

**Yxy(33.6488, 0.4929, 0.3352)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF6F69
RGB	255, 111, 105
RGB Percent	100%, 44%, 41%
CMY	0.0000, 0.5647, 0.5882
CMYK	0.00, 0.56, 0.59, 0.00
HSL	2°, 100%, 71%
HSV	2°, 59%, 100%
XYZ	49.4794, 33.6488, 17.2561
YIQ	153.3720, 87.7500, 28.6620

# Conversions

## Conversions Part 2

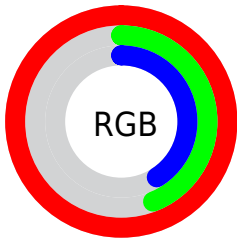
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 111, 105
Decimal	16740201
CIE Lab	64.68, 54.45, 30.88
CIE LCh	65, 62.596, 29.555
Yxy	33.6488, 0.4929, 0.3352
Android (android.graphics.Color)	4294930281 (0xFFFF6F69)
YUV	153.3720, -23.8474, 89.1278
Hunter-Lab	58.0076, 50.7439, 22.9678

# Details

The Yxy color **33.6488, 0.4929, 0.3352** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **77.9908, 0.2383, 0.3218**, and the grayscale version is **32.1014, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2977, 0.4057, 0.3409**, and **14.3753, 0.5482, 0.3267** is the 20% darker color. If you saturate the color by 10%, you get **28.5692, 0.5404, 0.3354**, and if you desaturate by 10%, it is **40.3470, 0.4480, 0.3345**.

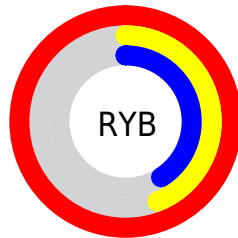
# Distribution



Red (100%)

Green (44%)

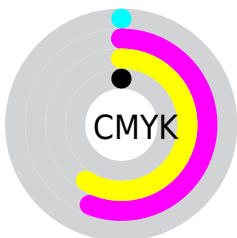
Blue (41%)



Red (100%)

Yellow (44%)

Blue (41%)

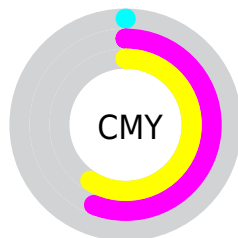


Cyan (0%)

Magenta (56%)

Yellow (59%)

Black (0%)



Cyan (0%)

Magenta (56%)


Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 33.6488, 0.4929, 0.3352 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 33.6488, 0.4929, 0.3352 by changing the saturation by 10% instead.




 33.6488, 0.4929,  
0.3352


 33.6488, 0.4929,  
0.3352


318.5632, 0.3980,  
0.3380

 22.6239, 0.5172,  
0.3322


 65.3872, 0.4578,  
0.3378


 14.3161, 0.5482,  
0.3271


 86.8694, 0.4447,  
0.3383

 8.3408, 0.5887,  
0.3177


 112.6063, 0.4338,  
0.3386

 4.3138, 0.6427,  
0.3004

 142.9821, 0.4245,  
0.3386

 1.8506, 0.7278,  
0.2722

178.3813, 0.4165,  
0.3385

 0.5184, 0.8128,  
0.1872

219.1883, 0.4095,

 0.0000, 1.0000,

0.3384

0.0000

265.7875, 0.4034,  
0.3382

■ 0.0000, 0.0000,  
0.0000

■ 33.6488, 0.4929,  
0.3352

■ 33.6488, 0.4929,  
0.3352

■ 28.5692, 0.5404,  
0.3354

■ 40.3470, 0.4480,  
0.3345

■ 24.9745, 0.5847,  
0.3347

■ 48.7890, 0.4087,  
0.3334

■ 22.7034, 0.6184,  
0.3332

■ 59.0837, 0.3760,  
0.3323

■ 21.5559, 0.6367,  
0.3315

■ 71.3320, 0.3494,  
0.3311

■ 21.4805, 0.6381,  
0.3315

■ 85.6277, 0.3280,  
0.3299

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.



33.6488, 0.4264, 0.2731



33.6488, 0.4929, 0.3352



33.6488, 0.4970, 0.4025

# Triad

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



33.6488, 0.4929, 0.3352



33.6488, 0.2763, 0.4821



33.6488, 0.1797, 0.1899

# Complementary

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



33.6488, 0.4929, 0.3352



77.9908, 0.2383, 0.3218

# 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.



33.6488, 0.1543, 0.2162



33.6488, 0.4929, 0.3352



33.6488, 0.2015, 0.3844

# Square

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



33.6488, 0.4929, 0.3352



33.6488, 0.3661, 0.5090



33.6488, 0.1603, 0.2811



33.6488, 0.2377, 0.1938



# Rectangle

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



33.6488, 0.4929, 0.3352



33.6488, 0.4682, 0.4474



33.6488, 0.1603, 0.2811



33.6488, 0.1678, 0.1950

# Sweetspot

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



33.6476, 0.4929, 0.3352



72.4215, 0.3475, 0.3310



38.2689, 0.3237, 0.1950



14.6836, 0.3545, 0.3313



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.



33.6476, 0.4929, 0.3352



27.6629, 0.5506, 0.3353



56.9816, 0.4390, 0.4091



18.1030, 0.3294, 0.3300



11.2742, 0.6373, 0.3322



1.1368, 0.6308, 0.3373



# Inverse Universe

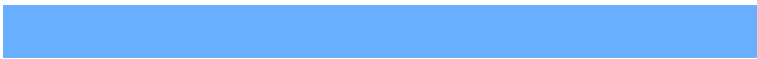
The Inverse Universe completely reimagines the original color for something new.



77.9908, 0.2383, 0.3218



75.6775, 0.2300, 0.3201



40.8879, 0.2172, 0.2265



20.3500, 0.2980, 0.3280



37.9002, 0.2213, 0.3165



3.7273, 0.2217, 0.3180



# Previews

## White Background



This preview shows how the Yxy color 33.6488, 0.4929, 0.3352 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

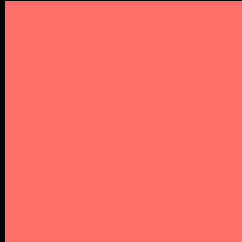
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 33.6488, 0.4929, 0.3352 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 33.6488, 0.4929, 0.3352**

## Background



This preview shows how black text looks on a background with the Yxy color 33.6488, 0.4929, 0.3352.



This preview shows how white text looks on a background with the Yxy color 33.6488, 0.4929, 0.3352.

# 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

33.6488, 0.4929, 0.3352

### Protanopia

33.8101, 0.3531, 0.3767

### Deuteranopia

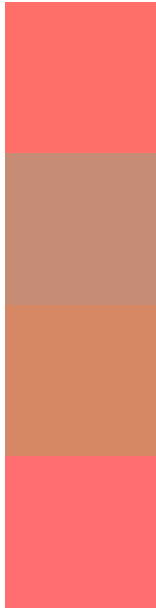
33.6417, 0.4078, 0.3994



## Tritanopia

33.6962, 0.4791, 0.3227

# Trichromacy



## Original Color

33.6488, 0.4929, 0.3352

## Protanomaly

32.2063, 0.4029, 0.3584

## Deuteranomaly

32.8440, 0.4402, 0.3718

## Tritanomaly

33.6041, 0.4840, 0.3266

# Monochromacy



## Original Color

33.6488, 0.4929, 0.3352

## Achromatopsia

31.8547, 0.3127, 0.3290

## Achromatomaly

30.9017, 0.3735, 0.3319

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 33.6488, 0.4929, 0.3352 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, 111, 105)` looks like.

```
.text, #text, p{  
    color:rgb(255, 111, 105)  
}
```

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, 111, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 111, 105) }
```

## Border

The CSS property to change the border of an element to Yxy 33.6488, 0.4929, 0.3352 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, 111, 105) }
```

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

```
.border{ border-color:rgb(255, 111, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 111, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 111, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 111, 105);  
box-shadow:4px 4px 4px 4px rgb(255, 111,  
105) }
```



# Background

The CSS property to change the background color of an element to Yxy 33.6488, 0.4929, 0.3352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 111, 105) }
```

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

```
.background{ background-color: rgb(255,  
111, 105) }
```

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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