

# Converting Colors

Yxy(33.9711, 0.4983, 0.3427)

Have a look what the booklet for  
Yxy(33.9711, 0.4983, 0.3427)  
contains.

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# Color

**Yxy(33.9711, 0.4983, 0.3427)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF7163
RGB	255, 113, 99
RGB Percent	100%, 44%, 39%
CMY	0.0000, 0.5568, 0.6117
CMYK	0.00, 0.56, 0.61, 0.00
HSL	5°, 100%, 69%
HSV	5°, 61%, 100%
XYZ	49.3954, 33.9711, 15.7613
YIQ	153.8620, 89.1260, 25.7500

# Conversions

## Conversions Part 2

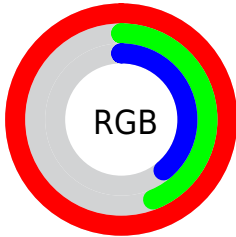
Format	Color
R <sub>Y</sub> B	255, 114, 99
Decimal	16740707
CIE Lab	64.94, 53.12, 34.54
CIE LCh	65, 63.358, 33.034
Yxy	33.9711, 0.4983, 0.3427
Android (android.graphics.Color)	4294930787 (0xFFFF7163)
YUV	153.8620, -27.0470, 88.6980
Hunter-Lab	58.2847, 49.2776, 24.7661

# Details

The Yxy color **33.9711, 0.4983, 0.3427** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **72.7775, 0.2343, 0.3121**, and the grayscale version is **32.3455, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.4673, 0.4110, 0.3482**, and **14.4805, 0.5534, 0.3357** is the 20% darker color. If you saturate the color by 10%, you get **29.0256, 0.5443, 0.3427**, and if you desaturate by 10%, it is **40.3983, 0.4541, 0.3414**.

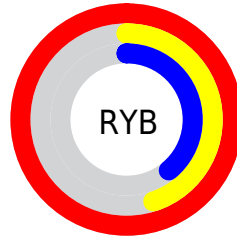
# Distribution



Red (100%)

Green (44%)

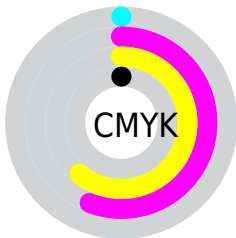
Blue (39%)



Red (100%)

Yellow (45%)

Blue (39%)

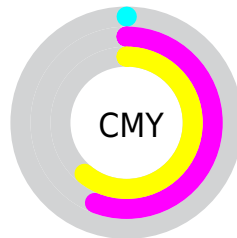


Cyan (0%)

Magenta (56%)

Yellow (61%)

Black (0%)



Cyan (0%)

Magenta (56%)


Yellow (61%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 33.9711, 0.4983, 0.3427 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 33.9711, 0.4983, 0.3427 by changing the saturation by 10% instead.





 33.9711, 0.4983,  
0.3427

 33.9711, 0.4983,  
0.3427


320.0032, 0.4010,  
0.3424


 22.8714, 0.5229,  
0.3402


 65.8887, 0.4625,  
0.3444


 14.4986, 0.5540,  
0.3355

 87.4754, 0.4491,  
0.3445

 8.4682, 0.5942,  
0.3264


 113.3266, 0.4379,  
0.3443

 4.3960, 0.6485,  
0.3098

 143.8266, 0.4283,  
0.3441

 1.8975, 0.7221,  
0.2779

179.3599, 0.4201,  
0.3437

 0.5468, 0.8038,  
0.1962

220.3108, 0.4129,


 0.0000, 1.0000,


0.3433


0.0000

267.0638, 0.4066,  
0.3429


 0.0000, 0.0000,  
0.0000


 33.9711, 0.4983,  
0.3427


 33.9711, 0.4983,  
0.3427

 29.0256, 0.5443,  
0.3427

 40.3983, 0.4541,  
0.3414

 25.4380, 0.5866,  
0.3410


 48.4069, 0.4150,  
0.3392

 23.0740, 0.6184,  
0.3376

 58.0945, 0.3819,  
0.3367

 21.8666, 0.6348,  
0.3342

 69.5490, 0.3546,  
0.3341

 82.8524, 0.3325,  
0.3316

98.0815, 0.3146,  
0.3293

99.9982, 0.3127,  
0.3290

# Harmonies

## Analogous

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



33.9711, 0.4378, 0.2794



33.9711, 0.4983, 0.3427



33.9711, 0.4949, 0.4107

# Triad

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



33.9711, 0.4983, 0.3427



33.9711, 0.2659, 0.4751



33.9711, 0.1838, 0.1879

# Complementary

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



33.9711, 0.4983, 0.3427



72.7775, 0.2343, 0.3121

# 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.



33.9711, 0.1546, 0.2104



33.9711, 0.4983, 0.3427



33.9711, 0.1938, 0.3717

# Square

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



33.9711, 0.4983, 0.3427



33.9711, 0.3558, 0.5118



33.9711, 0.1568, 0.2708



33.9711, 0.2461, 0.1950



# Rectangle

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



33.9711, 0.4983, 0.3427



33.9711, 0.4622, 0.4555



33.9711, 0.1568, 0.2708



33.9711, 0.1705, 0.1918

# Sweetspot

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



33.9730, 0.4983, 0.3427



73.5677, 0.3471, 0.3333



36.5950, 0.3316, 0.1966



14.9564, 0.3540, 0.3340



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.



33.9730, 0.4983, 0.3427



28.2732, 0.5525, 0.3426



58.9865, 0.4396, 0.4189



18.2490, 0.3292, 0.3312



11.5149, 0.6334, 0.3353



1.2058, 0.6199, 0.3460



# Inverse Universe

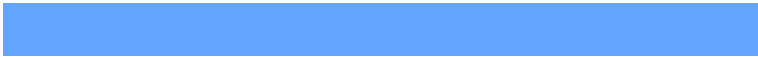
The Inverse Universe completely reimagines the original color for something new.



72.7775, 0.2343, 0.3121



69.7982, 0.2260, 0.3084



36.4253, 0.2113, 0.2110



20.1861, 0.2980, 0.3268



34.0768, 0.2168, 0.3006



3.3962, 0.2178, 0.3041



# Previews

## White Background



This preview shows how the Yxy color 33.9711, 0.4983, 0.3427 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

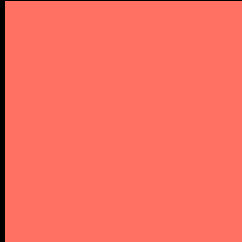
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 33.9711, 0.4983, 0.3427 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 33.9711, 0.4983, 0.3427**

## Background



This preview shows how black text looks on a background with the Yxy color 33.9711, 0.4983, 0.3427.



This preview shows how white text looks on a background with the Yxy color 33.9711, 0.4983, 0.3427.

# 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

33.9711, 0.4983, 0.3427

### Protanopia

34.1731, 0.3625, 0.3896

### Deuteranopia

34.1124, 0.4149, 0.4074



## Tritanopia

33.9369, 0.4772, 0.3227

# Trichromacy



## Original Color

33.9711, 0.4983, 0.3427

## Protanomaly

32.7512, 0.4116, 0.3713

## Deuteranomaly

33.1646, 0.4468, 0.3796

## Tritanomaly

33.9960, 0.4851, 0.3305

# Monochromacy



## Original Color

33.9711, 0.4983, 0.3427

## Achromatopsia

32.3143, 0.3127, 0.3290

## Achromatomaly

31.2628, 0.3765, 0.3361

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 33.9711, 0.4983, 0.3427 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, 113, 99)` looks like.

```
.text, #text, p{  
    color:rgb(255, 113, 99)  
}
```

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, 113, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 113, 99) }
```

## Border

The CSS property to change the border of an element to Yxy 33.9711, 0.4983, 0.3427 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, 113, 99) }
```

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

```
.border{ border-color:rgb(255, 113, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 113, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 113, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 113, 99);  
box-shadow:4px 4px 4px 4px rgb(255, 113,  
99) }
```



# Background

The CSS property to change the background color of an element to Yxy 33.9711, 0.4983, 0.3427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 113, 99) }
```

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

```
.background{ background-color: rgb(255,  
113, 99) }
```

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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