

# Converting Colors

$Yxy(34.0228, 0.4837, 0.3294)$

Have a look what the booklet for  
Yxy(34.0228, 0.4837, 0.3294)  
contains.

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# Color

**Yxy(34.0182, 0.4839, 0.3295)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF7070
RGB	255, 112, 112
RGB Percent	100%, 44%, 44%
CMY	0.0000, 0.5607, 0.5607
CMYK	0.00, 0.56, 0.56, 0.00
HSL	360°, 100%, 72%
HSV	360°, 56%, 100%
XYZ	49.9587, 34.0182, 19.2649
YIQ	154.7570, 85.2280, 30.3160

# Conversions

## Conversions Part 2

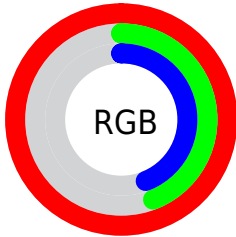
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 112, 112
Decimal	16740464
CIE <sub>Lab</sub>	64.98, 54.48, 27.34
CIE <sub>LCh</sub>	65, 60.951, 26.647
Yxy	34.0182, 0.4839, 0.3295
Android (android.graphics.Color)	4294930544 (0xFFFF7070)
YUV	154.7570, -21.0792, 87.9131
Hunter-Lab	58.3251, 50.8263, 21.2439

# Details

The Yxy color **34.0182, 0.4839, 0.3295** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **82.1838, 0.2420, 0.3288**, and the grayscale version is **32.7340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9456, 0.3977, 0.3335**, and **14.5360, 0.5378, 0.3213** is the 20% darker color. If you saturate the color by 10%, you get **28.6770, 0.5323, 0.3297**, and if you desaturate by 10%, it is **41.1168, 0.4391, 0.3294**.

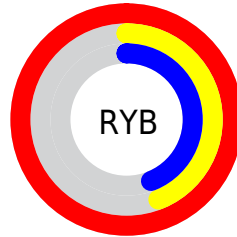
# Distribution



Red (100%)

Green (44%)

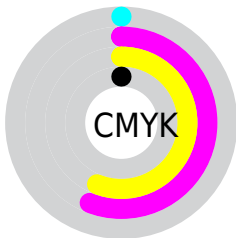
Blue (44%)



Red (100%)

Yellow (44%)

Blue (44%)

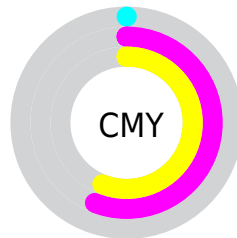


Cyan (0%)

Magenta (56%)

Yellow (56%)

Black (0%)



Cyan (0%)

Magenta (56%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.0182, 0.4839, 0.3295 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 34.0182, 0.4839, 0.3295 by changing the saturation by 10% instead.





 34.0182, 0.4839,  
0.3295


 34.0182, 0.4839,  
0.3295


320.2132, 0.3937,  
0.3344


 22.9076, 0.5072,  
0.3264


 65.9620, 0.4504,  
0.3327


 14.5253, 0.5371,  
0.3212


 87.5639, 0.4380,  
0.3334

 8.4869, 0.5767,  
0.3122


 113.4317, 0.4276,  
0.3339

 4.4081, 0.6299,  
0.2959

 143.9499, 0.4187,  
0.3342

 1.9043, 0.7263,  
0.2737

179.5027, 0.4111,  
0.3343

 0.5510, 0.8076,  
0.1924

220.4746, 0.4045,


 0.0000, 1.0000,


0.3344

0.0000


267.2500, 0.3988,  
0.3344


 0.0000, 0.0000,  
0.0000


 34.0182, 0.4839,  
0.3295


 34.0182, 0.4839,  
0.3295

 28.6770, 0.5323,  
0.3297


 41.1168, 0.4391,  
0.3294


 24.9351, 0.5786,  
0.3298


 50.1018, 0.4006,  
0.3293


 22.6163, 0.6151,  
0.3299

 61.0966, 0.3689,  
0.3292

 21.4988, 0.6354,  
0.3300

 74.2125, 0.3433,  
0.3291

 21.2596, 0.6401,  
0.3300

 89.5527, 0.3230,  
0.3290

99.9996, 0.3127,  
0.3290

# Harmonies

## Analogous

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



34.0182, 0.4145, 0.2693



34.0182, 0.4839, 0.3295



34.0182, 0.4945, 0.3952

# Triad

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



34.0182, 0.4839, 0.3295



34.0182, 0.2861, 0.4830



34.0182, 0.1791, 0.1944

# Complementary

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



34.0182, 0.4839, 0.3295



82.1838, 0.2420, 0.3288

# 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.



34.0182, 0.1571, 0.2237



34.0182, 0.4839, 0.3295



34.0182, 0.2104, 0.3933

# Square

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



34.0182, 0.4839, 0.3295



34.0182, 0.3738, 0.5022



34.0182, 0.1664, 0.2913



34.0182, 0.2329, 0.1954



# Rectangle

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



34.0182, 0.4839, 0.3295



34.0182, 0.4699, 0.4391



34.0182, 0.1664, 0.2913



34.0182, 0.1684, 0.2004

# Sweetspot

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



34.0201, 0.4839, 0.3295



72.9080, 0.3455, 0.3291



39.6206, 0.3168, 0.1955



15.0126, 0.3502, 0.3291



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.



34.0201, 0.4839, 0.3295



28.2664, 0.5368, 0.3297



55.5264, 0.4365, 0.3992



17.9871, 0.3295, 0.3291



11.1088, 0.6401, 0.3300



1.0816, 0.6401, 0.3300



# Inverse Universe

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



34.0201, 0.4839, 0.3295



28.2664, 0.5368, 0.3297



45.7353, 0.2234, 0.2417



17.9871, 0.3295, 0.3291



11.1088, 0.6401, 0.3300

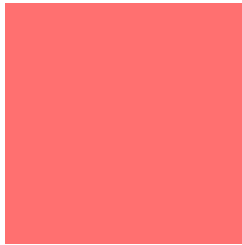


1.0816, 0.6401, 0.3300



# Previews

## White Background



This preview shows how the Yxy color 34.0182, 0.4839, 0.3295 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

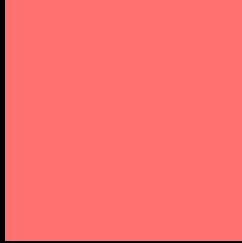
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 34.0182, 0.4839, 0.3295 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 34.0182, 0.4839, 0.3295**

## Background



This preview shows how black text looks on a background with the Yxy color 34.0182, 0.4839, 0.3295.



This preview shows how white text looks on a background with the Yxy color 34.0182, 0.4839, 0.3295.

# 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

34.0182, 0.4839, 0.3295

### Protanopia

34.3352, 0.3461, 0.3675

### Deuteranopia

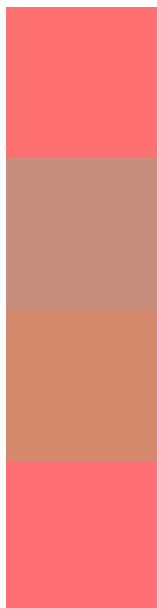
33.9720, 0.3992, 0.3920



## Tritanopia

33.9608, 0.4760, 0.3217

# Trichromacy



## Original Color

34.0182, 0.4839, 0.3295

## Protanomaly

32.6725, 0.3945, 0.3505

## Deuteranomaly

33.1202, 0.4309, 0.3650

## Tritanomaly

33.8898, 0.4797, 0.3246

# Monochromacy



## Original Color

34.0182, 0.4839, 0.3295

## Achromatopsia

32.7778, 0.3127, 0.3290

## Achromatomaly

31.4057, 0.3708, 0.3292

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.0182, 0.4839, 0.3295 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, 112, 112)` looks like.

```
.text, #text, p{  
    color:rgb(255, 112, 112)  
}
```

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, 112, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 112, 112) }
```

## Border

The CSS property to change the border of an element to Yxy 34.0182, 0.4839, 0.3295 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, 112, 112) }
```

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

```
.border{ border-color:rgb(255, 112, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 112, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 112, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 112, 112);  
box-shadow:4px 4px 4px 4px rgb(255, 112,  
112) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.0182, 0.4839, 0.3295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 112, 112) }
```

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

```
.background{ background-color: rgb(255,  
112, 112) }
```

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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