

# Converting Colors

Yxy(38.8622, 0.4511, 0.3290)

Have a look what the booklet for  
Yxy(38.8622, 0.4511, 0.3290)  
contains.

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# **Color**

**Yxy(38.8370, 0.4517, 0.3294)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8282
RGB	255, 130, 130
RGB Percent	100%, 51%, 51%
CMY	0.0000, 0.4902, 0.4902
CMYK	0.00, 0.49, 0.49, 0.00
HSL	360°, 100%, 75%
HSV	360°, 49%, 100%
XYZ	53.2564, 38.8370, 25.8088
YIQ	167.3750, 74.5000, 26.5000

# Conversions

## Conversions Part 2

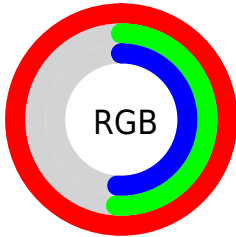
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	255, 130, 130
Decimal	16745090
CIE Lab	68.63, 47.41, 22.14
CIE LCh	69, 52.325, 25.037
Yxy	38.8370, 0.4517, 0.3294
Android (android.graphics.Color)	4294935170 (0xFFFF8282)
YUV	167.3750, -18.4259, 76.8471
Hunter-Lab	62.3193, 43.4825, 19.0693

# Details

The Yxy color **38.8370, 0.4517, 0.3294** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **83.4851, 0.2482, 0.3288**, and the grayscale version is **38.8985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.3768, 0.3746, 0.3313**, and **17.3712, 0.4932, 0.3247** is the 20% darker color. If you saturate the color by 10%, you get **32.2705, 0.4980, 0.3295**, and if you desaturate by 10%, it is **47.2516, 0.4112, 0.3293**.

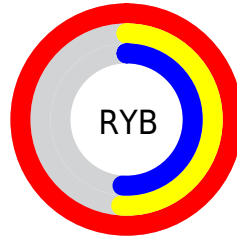
# Distribution



Red (100%)

Green (51%)

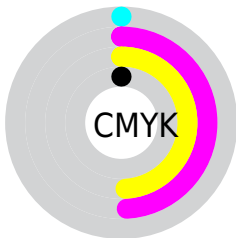
Blue (51%)



Red (100%)

Yellow (51%)

Blue (51%)

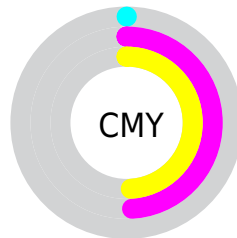


Cyan (0%)

Magenta (49%)

Yellow (49%)

Black (0%)



Cyan (0%)

Magenta (49%)


Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.8370, 0.4517, 0.3294 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 38.8370, 0.4517, 0.3294 by changing the saturation by 10% instead.




 38.8370, 0.4517,  
0.3294


 38.8370, 0.4517,  
0.3294


341.1970, 0.3796,  
0.3325


 26.6329, 0.4702,  
0.3275


 73.3892, 0.4251,  
0.3314

 17.2977, 0.4940,  
0.3243


 96.5062, 0.4152,  
0.3318

 10.4470, 0.5256,  
0.3190


 124.0296, 0.4069,  
0.3322

 5.6963, 0.5691,  
0.3092

156.3439, 0.3998,  
0.3323

 2.6613, 0.6327,  
0.2910

193.8333, 0.3937,  
0.3324

 0.9576, 0.7421,  
0.2579

236.8824, 0.3884,

 0.0000, 1.0000,

0.3325


0.0000


285.8755, 0.3837,  
0.3325


 0.0000, 0.0000,  
0.0000


 38.8370, 0.4517,  
0.3294


 38.8370, 0.4517,  
0.3294


 32.2705, 0.4980,  
0.3295


 47.2516, 0.4112,  
0.3293


 27.4160, 0.5465,  
0.3297


 57.6423, 0.3775,  
0.3292

 24.1134, 0.5907,  
0.3298

 70.1224, 0.3503,  
0.3291

 22.1742, 0.6229,  
0.3299

 84.7971, 0.3285,  
0.3290

 21.3197, 0.6389,  
0.3300

100.0000, 0.3127,  
0.3290

■ 21.2600, 0.6401,  
0.3300

# Harmonies

## Analogous

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



38.8370, 0.3928, 0.2768



38.8370, 0.4517, 0.3294



38.8370, 0.4655, 0.3864

# Triad

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



38.8370, 0.4517, 0.3294



38.8370, 0.2970, 0.4547



38.8370, 0.1974, 0.2156

# Complementary

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



38.8370, 0.4517, 0.3294



83.4851, 0.2482, 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.



38.8370, 0.1795, 0.2443



38.8370, 0.4517, 0.3294



38.8370, 0.2311, 0.3862

# Square

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



38.8370, 0.4517, 0.3294



38.8370, 0.3711, 0.4711



38.8370, 0.1903, 0.3040



38.8370, 0.2431, 0.2143



# Rectangle

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



38.8370, 0.4517, 0.3294



38.8370, 0.4484, 0.4230



38.8370, 0.1903, 0.3040



38.8370, 0.1883, 0.2219

# Sweetspot

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



38.8360, 0.4517, 0.3294



75.7538, 0.3409, 0.3291



44.0512, 0.3165, 0.2096



15.5729, 0.3457, 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.



38.8360, 0.4517, 0.3294



32.2826, 0.4979, 0.3295



59.8784, 0.4169, 0.3915



17.9871, 0.3295, 0.3290



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.



38.8360, 0.4517, 0.3294



32.2826, 0.4979, 0.3295



50.8084, 0.2340, 0.2548



17.9871, 0.3295, 0.3290



11.1088, 0.6401, 0.3300



1.0816, 0.6401, 0.3300



# Previews

## White Background



This preview shows how the Yxy color 38.8370, 0.4517, 0.3294 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

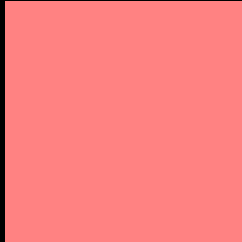
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 38.8370, 0.4517, 0.3294 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 38.8370, 0.4517, 0.3294**

## Background



This preview shows how black text looks on a background with the Yxy color 38.8370, 0.4517, 0.3294.



This preview shows how white text looks on a background with the Yxy color 38.8370, 0.4517, 0.3294.

# 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

38.8370, 0.4517, 0.3294

### Protanopia

38.8895, 0.3370, 0.3558

### Deuteranopia

38.9762, 0.3838, 0.3764



## Tritanopia

38.7955, 0.4430, 0.3202

# Trichromacy



## Original Color

38.8370, 0.4517, 0.3294

## Protanomaly

37.8717, 0.3770, 0.3460

## Deuteranomaly

38.4051, 0.4087, 0.3572

## Tritanomaly

38.7098, 0.4465, 0.3233

# Monochromacy



## Original Color

38.8370, 0.4517, 0.3294

## Achromatopsia

38.6429, 0.3127, 0.3290

## Achromatomaly

37.5864, 0.3585, 0.3291

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.8370, 0.4517, 0.3294 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, 130, 130)` looks like.

```
.text, #text, p{  
    color:rgb(255, 130, 130)  
}
```

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, 130, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 130, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 38.8370, 0.4517, 0.3294 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, 130, 130) }
```

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

```
.border{ border-color:rgb(255, 130, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 130, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 130, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 130, 130);  
box-shadow:4px 4px 4px 4px rgb(255, 130,  
130) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.8370, 0.4517, 0.3294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 130, 130) }
```

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

```
.background{ background-color: rgb(255,  
130, 130) }
```

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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