

# Converting Colors

$Y_{xy}(38.1013, 0.4560, 0.3294)$

Have a look what the booklet for  
Yxy(38.1013, 0.4560, 0.3294)  
contains.

<b>Yxy(37.9710, 0.4569, 0.3294)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(37.9710, 0.4569, 0.3294)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF7F7F
RGB	255, 127, 127
RGB Percent	100%, 50%, 50%
CMY	0.0000, 0.5020, 0.5019
CMYK	0.00, 0.50, 0.50, 0.00
HSL	360°, 100%, 75%
HSV	360°, 50%, 100%
XYZ	52.6683, 37.9710, 24.6339
YIQ	165.2720, 76.2880, 27.1360

# Conversions

## Conversions Part 2

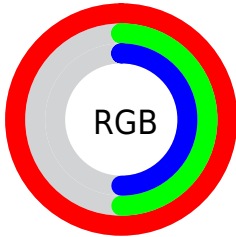
Format	Color
R <sub>Y</sub> B	255, 127, 127
Decimal	16744319
CIE Lab	68.00, 48.62, 22.96
CIE LCh	68, 53.766, 25.278
Yxy	37.9710, 0.4569, 0.3294
Android (android.graphics.Color)	4294934399 (0xFFFF7F7F)
YUV	165.2720, -18.8681, 78.6915
Hunter-Lab	61.6206, 44.7313, 19.4322

# Details

The Yxy color **37.9710, 0.4569, 0.3294** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **83.2496, 0.2471, 0.3288**, and the grayscale version is **37.8244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.0112, 0.3781, 0.3313**, and **16.7845, 0.5014, 0.3236** is the 20% darker color. If you saturate the color by 10%, you get **31.6116, 0.5037, 0.3295**, and if you desaturate by 10%, it is **46.1580, 0.4156, 0.3293**.

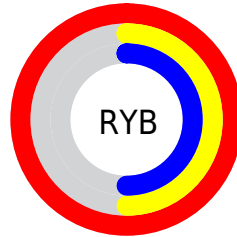
# Distribution



Red (100%)

Green (50%)

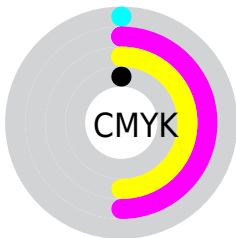
Blue (50%)



Red (100%)

Yellow (50%)

Blue (50%)

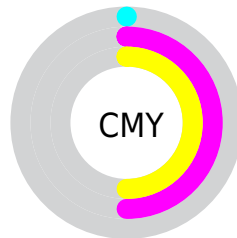


Cyan (0%)

Magenta (50%)

Yellow (50%)

Black (0%)



Cyan (0%)

Magenta (50%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.9710, 0.4569, 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 37.9710, 0.4569, 0.3294 by changing the saturation by 10% instead.





 37.9710, 0.4569,  
0.3294


 37.9710, 0.4569,  
0.3294


337.4956, 0.3819,  
0.3328


 25.9602, 0.4761,  
0.3273


 72.0637, 0.4292,  
0.3315

 16.7939, 0.5010,  
0.3239


 94.9143, 0.4189,  
0.3321

 10.0876, 0.5339,  
0.3180


 122.1471, 0.4102,  
0.3324

 5.4571, 0.5792,  
0.3073

154.1463, 0.4029,  
0.3326

 2.5179, 0.6471,  
0.2883

191.2963, 0.3965,  
0.3327

 0.8856, 0.7512,  
0.2488

233.9816, 0.3910,

 0.0000, 1.0000,

0.3328

0.0000

282.5866, 0.3862,  
0.3328

0.0000, 0.0000,  
0.0000

37.9710, 0.4569,  
0.3294

37.9710, 0.4569,  
0.3294

31.6116, 0.5037,  
0.3295

46.1580, 0.4156,  
0.3293

26.9489, 0.5521,  
0.3297

56.3094, 0.3811,  
0.3292

23.8178, 0.5953,  
0.3298

68.5371, 0.3532,  
0.3291

22.0249, 0.6256,  
0.3299

82.9474, 0.3308,  
0.3291

21.2601, 0.6401,  
0.3300

99.6393, 0.3130,  
0.3290

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.



37.9710, 0.3962, 0.2755



37.9710, 0.4569, 0.3294



37.9710, 0.4704, 0.3879

# Triad

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



37.9710, 0.4569, 0.3294



37.9710, 0.2954, 0.4593



37.9710, 0.1943, 0.2121

# Complementary

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



37.9710, 0.4569, 0.3294



83.2496, 0.2471, 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.



37.9710, 0.1757, 0.2410



37.9710, 0.4569, 0.3294



37.9710, 0.2279, 0.3876

# Square

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



37.9710, 0.4569, 0.3294



37.9710, 0.3718, 0.4762



37.9710, 0.1863, 0.3021



37.9710, 0.2413, 0.2111



# Rectangle

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



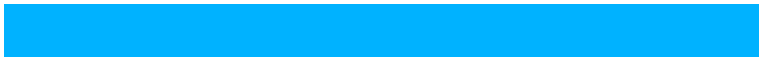
37.9710, 0.4569, 0.3294



37.9710, 0.4522, 0.4257



37.9710, 0.1863, 0.3021



37.9710, 0.1849, 0.2183

# Sweetspot

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



37.9676, 0.4569, 0.3294



75.7540, 0.3409, 0.3291



43.2527, 0.3165, 0.2071



15.5730, 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.



37.9676, 0.4569, 0.3294



31.7226, 0.5027, 0.3295



59.1266, 0.4201, 0.3928



17.9871, 0.3295, 0.3290



11.1089, 0.6401, 0.3300



1.0816, 0.6400, 0.3299



# Inverse Universe

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



37.9676, 0.4569, 0.3294



31.7226, 0.5027, 0.3295



49.9268, 0.2322, 0.2526



17.9871, 0.3295, 0.3290



11.1089, 0.6401, 0.3300



1.0816, 0.6400, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 37.9710, 0.4569, 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 37.9710, 0.4569, 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 37.9710, 0.4569, 0.3294**

## Background



This preview shows how black text looks on a background with the Yxy color 37.9710, 0.4569, 0.3294.



This preview shows how white text looks on a background with the Yxy color 37.9710, 0.4569, 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

37.9710, 0.4569, 0.3294

### Protanopia

38.3154, 0.3390, 0.3588

### Deuteranopia

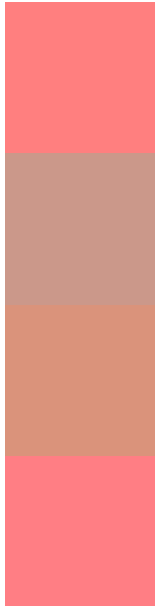
38.0471, 0.3876, 0.3793



## Tritanopia

37.9310, 0.4481, 0.3202

# Trichromacy



## Original Color

37.9710, 0.4569, 0.3294

## Protanomaly

36.9880, 0.3798, 0.3474

## Deuteranomaly

37.2029, 0.4136, 0.3585

## Tritanomaly

37.8477, 0.4516, 0.3233

# Monochromacy



## Original Color

37.9710, 0.4569, 0.3294

## Achromatopsia

37.6262, 0.3127, 0.3290

## Achromatomaly

36.3733, 0.3614, 0.3291

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.9710, 0.4569, 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, 127, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 127, 127)  
}
```

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, 127, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 127, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 37.9710, 0.4569, 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, 127, 127) }
```

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

```
.border{ border-color:rgb(255, 127, 127) }
```

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

Here you see how a box with a 4 pixel rgb(255, 127, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 127, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 127, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 127,  
127) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.9710, 0.4569, 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, 127, 127) }
```

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

```
.background{ background-color: rgb(255,  
127, 127) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor