

# Converting Colors

$Y_{xy}(37.8696, 0.4547, 0.3317)$

Have a look what the booklet for  
Yxy(37.8696, 0.4547, 0.3317)  
contains.

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# Color

**Yxy(37.8273, 0.4556, 0.3315)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FD807E
RGB	253, 128, 126
RGB Percent	99%, 50%, 49%
CMY	0.0079, 0.4980, 0.5059
CMYK	0.00, 0.49, 0.50, 0.01
HSL	1°, 97%, 74%
HSV	1°, 50%, 99%
XYZ	51.9883, 37.8273, 24.2939
YIQ	165.1470, 75.1420, 25.8780

# Conversions

## Conversions Part 2

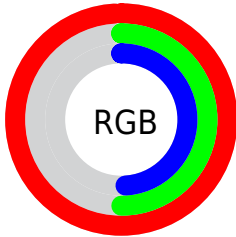
Format	Color
R <sub>Y</sub> B	253, 128, 126
Decimal	16613502
CIE Lab	67.89, 47.30, 23.34
CIE LCh	68, 52.744, 26.263
Yxy	37.8273, 0.4556, 0.3315
Android (android.graphics.Color)	4294803582 (0xFFFD807E)
YUV	165.1470, -19.2995, 77.0471
Hunter-Lab	61.5039, 43.2514, 19.6333

# Details

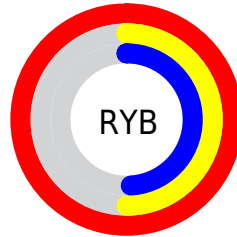
The Yxy color **37.8273, 0.4556, 0.3315** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **80.4877, 0.2466, 0.3265**, and the grayscale version is **37.7703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3816, 0.3787, 0.3334**, and **16.7744, 0.4991, 0.3271** is the 20% darker color. If you saturate the color by 10%, you get **31.5390, 0.5019, 0.3318**, and if you desaturate by 10%, it is **45.8773, 0.4148, 0.3310**.

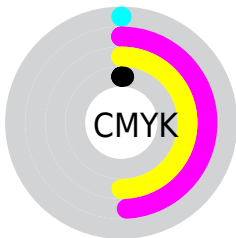
# Distribution



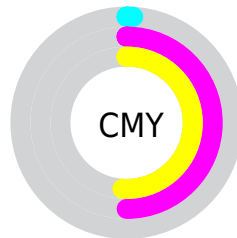
- Red (99%)
- Green (50%)
- Blue (49%)



- Red (99%)
- Yellow (50%)
- Blue (49%)



- Cyan (0%)
- Magenta (49%)
- Yellow (50%)
- Black (1%)




- Cyan (1%)
- Magenta (50%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.8273, 0.4556, 0.3315 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 37.8273, 0.4556, 0.3315 by changing the saturation by 10% instead.





 37.8273, 0.4556,  
0.3315


 37.8273, 0.4556,  
0.3315


336.8786, 0.3812,  
0.3338


 25.8487, 0.4747,  
0.3297

 71.8434, 0.4281,  
0.3332

 16.7105, 0.4994,  
0.3266


 94.6496, 0.4179,  
0.3336

 10.0283, 0.5321,  
0.3211


 121.8338, 0.4093,  
0.3338

 5.4177, 0.5771,  
0.3109

153.7804, 0.4020,  
0.3339

 2.4944, 0.6456,  
0.2928

190.8738, 0.3957,  
0.3339

 0.8738, 0.7471,  
0.2529

233.4983, 0.3902,

 0.0000, 1.0000,

0.3339


0.0000

282.0385, 0.3854,  
0.3339


 0.0000, 0.0000,  
0.0000

 37.8273, 0.4556,  
0.3315


 37.8273, 0.4556,  
0.3315


 31.5390, 0.5019,  
0.3318


 45.8773, 0.4148,  
0.3310

 26.8753, 0.5499,  
0.3319


 55.8009, 0.3807,  
0.3305


 23.6884, 0.5932,  
0.3317

 67.7079, 0.3530,  
0.3300

 21.8011, 0.6242,  
0.3311

 81.6978, 0.3308,  
0.3295

 20.9680, 0.6393,  
0.3306

 97.8636, 0.3130,  
0.3290

99.6199, 0.3115,  
0.3290

# Harmonies

## Analogous

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



37.8273, 0.3972, 0.2780



37.8273, 0.4556, 0.3315



37.8273, 0.4674, 0.3893

# Triad

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



37.8273, 0.4556, 0.3315



37.8273, 0.2935, 0.4551



37.8273, 0.1971, 0.2134

# Complementary

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



37.8273, 0.4556, 0.3315



80.4877, 0.2466, 0.3265

# 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.



37.8273, 0.1779, 0.2411



37.8273, 0.4556, 0.3315



37.8273, 0.2275, 0.3837

# Square

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



37.8273, 0.4556, 0.3315



37.8273, 0.3688, 0.4739



37.8273, 0.1875, 0.3003



37.8273, 0.2444, 0.2132



# Rectangle

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



37.8273, 0.4556, 0.3315



37.8273, 0.4487, 0.4263



37.8273, 0.1875, 0.3003



37.8273, 0.1876, 0.2193

# Sweetspot

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



37.8293, 0.4556, 0.3315



76.0700, 0.3408, 0.3297



42.8882, 0.3184, 0.2079



15.6477, 0.3456, 0.3298



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.



37.8293, 0.4556, 0.3315



32.2115, 0.5010, 0.3318



58.9897, 0.4189, 0.3949



18.0337, 0.3294, 0.3294



11.1754, 0.6390, 0.3309



1.1038, 0.6363, 0.3330



# Inverse Universe

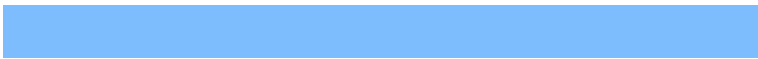
The Inverse Universe completely reimagines the original color for something new.



80.4877, 0.2466, 0.3265



80.0094, 0.2383, 0.3259



48.1291, 0.2317, 0.2499



20.4285, 0.2980, 0.3286



39.8174, 0.2233, 0.3239



3.8923, 0.2235, 0.3245



# Previews

## White Background



This preview shows how the Yxy color 37.8273, 0.4556, 0.3315 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

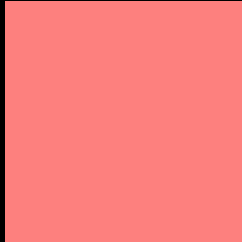
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.8273, 0.4556, 0.3315 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 37.8273, 0.4556, 0.3315**

## Background



This preview shows how black text looks on a background with the Yxy color 37.8273, 0.4556, 0.3315.



This preview shows how white text looks on a background with the Yxy color 37.8273, 0.4556, 0.3315.

# 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

37.8273, 0.4556, 0.3315

### Protanopia

37.9226, 0.3401, 0.3588

### Deuteranopia

37.9125, 0.3865, 0.3795



## Tritanopia

37.9988, 0.4466, 0.3212

# Trichromacy



**Original Color**

37.8273, 0.4556, 0.3315

**Protanomaly**

36.9591, 0.3809, 0.3487

**Deuteranomaly**

37.3616, 0.4120, 0.3598

**Tritanomaly**

37.9155, 0.4501, 0.3243

# Monochromacy



**Original Color**

37.8273, 0.4556, 0.3315

**Achromatopsia**

37.6262, 0.3127, 0.3290

**Achromatomaly**

36.5612, 0.3601, 0.3305

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.8273, 0.4556, 0.3315 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(253, 128, 126)` looks like.

```
.text, #text, p{  
    color:rgb(253, 128, 126)  
}
```

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(253, 128, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 128, 126) }
```

## Border

The CSS property to change the border of an element to Yxy 37.8273, 0.4556, 0.3315 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(253, 128, 126) }
```

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

```
.border{ border-color:rgb(253, 128, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 128, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(253, 128, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(253, 128, 126); box-shadow:4px 4px 4px 4px rgb(253, 128, 126) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.8273, 0.4556, 0.3315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 128, 126) }
```

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

```
.background{ background-color: rgb(253,  
128, 126) }
```

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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