

# Converting Colors

$Y_{xy}(37.5890, 0.4570, 0.3335)$

Have a look what the booklet for  
Yxy(37.5890, 0.4570, 0.3335)  
contains.

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# Color

**Yxy(37.5890, 0.4570, 0.3335)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FC807C
RGB	252, 128, 124
RGB Percent	99%, 50%, 49%
CMY	0.0117, 0.4981, 0.5137
CMYK	0.00, 0.49, 0.51, 0.01
HSL	2°, 96%, 74%
HSV	2°, 51%, 99%
XYZ	51.5088, 37.5890, 23.6129
YIQ	164.6200, 75.1880, 25.0440

# Conversions

## Conversions Part 2

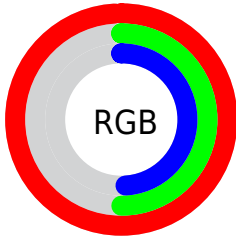
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	252, 128, 124
Decimal	16547964
CIE Lab	67.72, 46.80, 24.18
CIE LCh	68, 52.677, 27.323
Yxy	37.5890, 0.4570, 0.3335
Android (android.graphics.Color)	4294738044 (0xFFFC807C)
YUV	164.6200, -20.0257, 76.6323
Hunter-Lab	61.3099, 42.6724, 20.0820

# Details

The Yxy color **37.5890, 0.4570, 0.3335** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **78.4772, 0.2457, 0.3242**, and the grayscale version is **37.5064, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3013, 0.3804, 0.3355**, and **16.6165, 0.5012, 0.3296** is the 20% darker color. If you saturate the color by 10%, you get **31.4114, 0.5030, 0.3340**, and if you desaturate by 10%, it is **45.4659, 0.4163, 0.3327**.

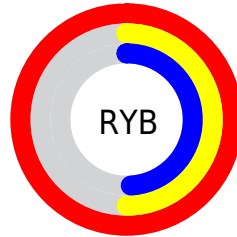
# Distribution



Red (99%)

Green (50%)

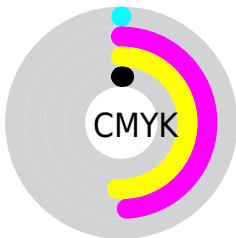
Blue (49%)



Red (99%)

Yellow (50%)

Blue (49%)

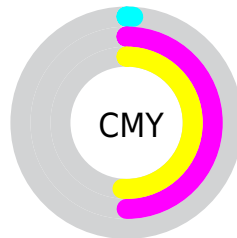


Cyan (0%)

Magenta (49%)

Yellow (51%)

Black (1%)



Cyan (1%)

Magenta (50%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.5890, 0.4570, 0.3335 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 37.5890, 0.4570, 0.3335 by changing the saturation by 10% instead.




 37.5890, 0.4570,  
0.3335


 37.5890, 0.4570,  
0.3335


335.8536, 0.3818,  
0.3349


 25.6639, 0.4763,  
0.3318


 71.4777, 0.4292,  
0.3350

 16.5723, 0.5012,  
0.3289


 94.2101, 0.4189,  
0.3352

 9.9301, 0.5343,  
0.3236


 121.3137, 0.4102,  
0.3353

 5.3526, 0.5796,  
0.3135

153.1729, 0.4028,  
0.3353

 2.4556, 0.6502,  
0.2961

190.1721, 0.3965,  
0.3353

 0.8543, 0.7466,  
0.2534

232.6957, 0.3909,


 0.0000, 1.0000,


0.3352


0.0000


281.1280, 0.3861,  
0.3350

 0.0000, 0.0000,  
0.0000

 37.5890, 0.4570,  
0.3335


 37.5890, 0.4570,  
0.3335

 31.4114, 0.5030,  
0.3340


 45.4659, 0.4163,  
0.3327


 26.8027, 0.5506,  
0.3340


 55.1483, 0.3821,  
0.3318

 23.6235, 0.5934,  
0.3334

 66.7405, 0.3543,  
0.3308

 21.7068, 0.6240,  
0.3322

 80.3373, 0.3319,  
0.3299

 20.8697, 0.6385,  
0.3312

 96.0272, 0.3140,  
0.3291

99.4396, 0.3109,  
0.3290

# Harmonies

## Analogous

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



37.5890, 0.3999, 0.2797



37.5890, 0.4570, 0.3335



37.5890, 0.4670, 0.3913

# Triad

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



37.5890, 0.4570, 0.3335



37.5890, 0.2909, 0.4535



37.5890, 0.1982, 0.2129

# Complementary

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



37.5890, 0.4570, 0.3335



78.4772, 0.2457, 0.3242

# 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.



37.5890, 0.1780, 0.2395



37.5890, 0.4570, 0.3335



37.5890, 0.2255, 0.3807

# Square

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



37.5890, 0.4570, 0.3335



37.5890, 0.3662, 0.4744



37.5890, 0.1865, 0.2977



37.5890, 0.2466, 0.2135



# Rectangle

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



37.5890, 0.4570, 0.3335



37.5890, 0.4473, 0.4282



37.5890, 0.1865, 0.2977



37.5890, 0.1883, 0.2185

# Sweetspot

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



37.5910, 0.4570, 0.3335



76.3679, 0.3407, 0.3303



42.0130, 0.3203, 0.2083



15.7181, 0.3455, 0.3305



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.



37.5910, 0.4570, 0.3335



32.1275, 0.5042, 0.3340



59.0473, 0.4192, 0.3977



17.3116, 0.3293, 0.3298



10.9078, 0.6379, 0.3317



1.0398, 0.6325, 0.3360



# Inverse Universe

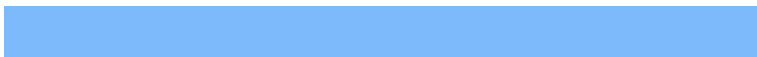
The Inverse Universe completely reimagines the original color for something new.



78.4772, 0.2457, 0.3242



78.3720, 0.2370, 0.3231



46.3844, 0.2303, 0.2460



19.5105, 0.2980, 0.3282



37.4600, 0.2220, 0.3192



3.4977, 0.2224, 0.3204



# Previews

## White Background



This preview shows how the Yxy color 37.5890, 0.4570, 0.3335 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 37.5890, 0.4570, 0.3335 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 37.5890, 0.4570, 0.3335**

## Background



This preview shows how black text looks on a background with the Yxy color 37.5890, 0.4570, 0.3335.



This preview shows how white text looks on a background with the Yxy color 37.5890, 0.4570, 0.3335.

# 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

37.5890, 0.4570, 0.3335

### Protanopia

37.8320, 0.3429, 0.3632

### Deuteranopia

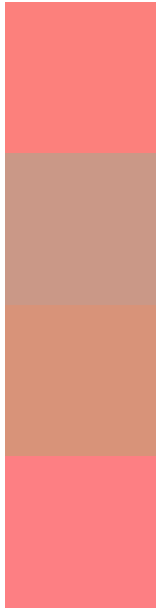
37.5214, 0.3890, 0.3809



## Tritanopia

37.5536, 0.4462, 0.3201

# Trichromacy



## Original Color

37.5890, 0.4570, 0.3335

## Protanomaly

36.7623, 0.3819, 0.3513

## Deuteranomaly

36.8468, 0.4137, 0.3611

## Tritanomaly

37.7001, 0.4504, 0.3253

# Monochromacy



## Original Color

37.5890, 0.4570, 0.3335

## Achromatopsia

37.6262, 0.3127, 0.3290

## Achromatomaly

36.5288, 0.3611, 0.3318

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.5890, 0.4570, 0.3335 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(252, 128, 124)` looks like.

```
.text, #text, p{  
    color:rgb(252, 128, 124)  
}
```

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(252, 128, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 128, 124) }
```

## Border

The CSS property to change the border of an element to Yxy 37.5890, 0.4570, 0.3335 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(252, 128, 124) }
```

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

```
.border{ border-color:rgb(252, 128, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 128, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(252, 128, 124); -webkit-box-shadow:4px 4px 4px 4px rgb(252, 128, 124); box-shadow:4px 4px 4px 4px rgb(252, 128, 124) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.5890, 0.4570, 0.3335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 128, 124) }
```

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

```
.background{ background-color: rgb(252,  
128, 124) }
```

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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