

# Converting Colors

$Y_{xy}(37.8270, 0.4604, 0.3321)$

Have a look what the booklet for  
Yxy(37.8270, 0.4604, 0.3321)  
contains.

<b>Yxy(37.8940, 0.4603, 0.3325)</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(37.8940, 0.4603, 0.3325)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF7F7C
RGB	255, 127, 124
RGB Percent	100%, 50%, 49%
CMY	0.0001, 0.5018, 0.5138
CMYK	0.00, 0.50, 0.51, 0.00
HSL	1°, 100%, 74%
HSV	1°, 51%, 100%
XYZ	52.4590, 37.8940, 23.6139
YIQ	164.9300, 77.2510, 26.2030

# Conversions

## Conversions Part 2

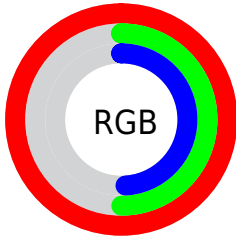
Format	Color
R <sub>Y</sub> B	255, 127, 124
Decimal	16744316
CIE Lab	67.94, 48.32, 24.57
CIE LCh	68, 54.204, 26.951
Yxy	37.8940, 0.4603, 0.3325
Android (android.graphics.Color)	4294934396 (0xFFFF7F7C)
YUV	164.9300, -20.1785, 78.9914
Hunter-Lab	61.5581, 44.3886, 20.3468

# Details

The Yxy color **37.8940, 0.4603, 0.3325** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **81.0784, 0.2453, 0.3253**, and the grayscale version is **37.6655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8902, 0.3807, 0.3345**, and **16.7424, 0.5062, 0.3272** is the 20% darker color. If you saturate the color by 10%, you get **31.6730, 0.5068, 0.3329**, and if you desaturate by 10%, it is **45.8754, 0.4190, 0.3319**.

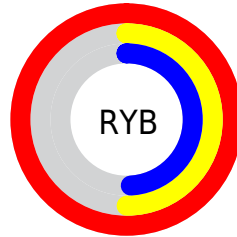
# Distribution



Red (100%)

Green (50%)

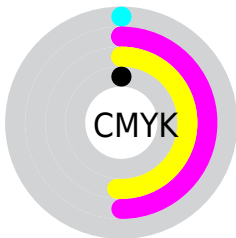
Blue (49%)



Red (100%)

Yellow (50%)

Blue (49%)

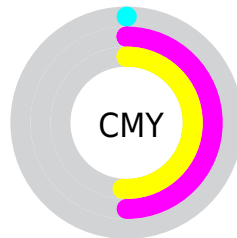


Cyan (0%)

Magenta (50%)

Yellow (51%)

Black (0%)



Cyan (0%)

Magenta (50%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.8940, 0.4603, 0.3325 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 37.8940, 0.4603, 0.3325 by changing the saturation by 10% instead.





 37.8940, 0.4603,  
0.3325

 37.8940, 0.4603,  
0.3325


337.1650, 0.3835,  
0.3346

 25.9004, 0.4799,  
0.3306


 71.9456, 0.4319,  
0.3342

 16.7492, 0.5052,  
0.3274


 94.7725, 0.4214,  
0.3346

 10.0558, 0.5387,  
0.3217


 121.9792, 0.4126,  
0.3348

 5.4360, 0.5845,  
0.3110

153.9503, 0.4050,  
0.3348

 2.5053, 0.6551,  
0.2928

191.0700, 0.3985,  
0.3348

 0.8793, 0.7505,  
0.2495


233.7227, 0.3929,


 0.0000, 1.0000,

0.3348


0.0000

282.2930, 0.3879,  
0.3347


 0.0000, 0.0000,  
0.0000


 37.8940, 0.4603,  
0.3325


 37.8940, 0.4603,  
0.3325


 31.6730, 0.5068,  
0.3329


 45.8754, 0.4190,  
0.3319


 27.0741, 0.5546,  
0.3329


 55.7301, 0.3842,  
0.3312


 23.9480, 0.5968,  
0.3324

 67.5686, 0.3559,  
0.3304

 22.1152, 0.6262,  
0.3315

 81.4911, 0.3331,  
0.3297

 21.3830, 0.6389,  
0.3309

 97.5910, 0.3149,  
0.3291

99.9945, 0.3127,  
0.3290

# Harmonies

## Analogous

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



37.8940, 0.4012, 0.2778



37.8940, 0.4603, 0.3325



37.8940, 0.4709, 0.3915

# Triad

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



37.8940, 0.4603, 0.3325



37.8940, 0.2910, 0.4578



37.8940, 0.1953, 0.2104

# Complementary

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



37.8940, 0.4603, 0.3325



81.0784, 0.2453, 0.3253

# 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.



37.8940, 0.1750, 0.2378



37.8940, 0.4603, 0.3325



37.8940, 0.2240, 0.3832

# Square

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



37.8940, 0.4603, 0.3325



37.8940, 0.3680, 0.4781



37.8940, 0.1840, 0.2975



37.8940, 0.2441, 0.2109



# Rectangle

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



37.8940, 0.4603, 0.3325



37.8940, 0.4509, 0.4293



37.8940, 0.1840, 0.2975



37.8940, 0.1853, 0.2162

# Sweetspot

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



37.8960, 0.4603, 0.3325



76.2122, 0.3408, 0.3300



42.7452, 0.3204, 0.2071



15.6813, 0.3456, 0.3301



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.



37.8960, 0.4603, 0.3325



31.3456, 0.5098, 0.3329



60.2607, 0.4208, 0.3984



18.0546, 0.3294, 0.3296



11.2052, 0.6385, 0.3313



1.1138, 0.6346, 0.3343



# Inverse Universe

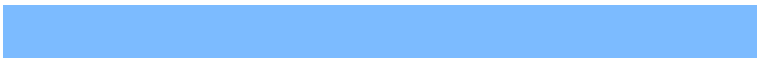
The Inverse Universe completely reimagines the original color for something new.



81.0784, 0.2453, 0.3253



78.9555, 0.2366, 0.3245



47.1689, 0.2293, 0.2448



20.4048, 0.2980, 0.3284



39.2319, 0.2227, 0.3217



3.8419, 0.2229, 0.3225



# Previews

## White Background



This preview shows how the Yxy color 37.8940, 0.4603, 0.3325 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

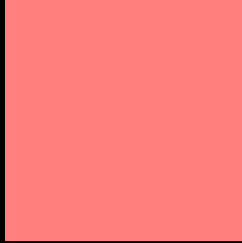
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.8940, 0.4603, 0.3325 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 37.8940, 0.4603, 0.3325**

## Background



This preview shows how black text looks on a background with the Yxy color 37.8940, 0.4603, 0.3325.



This preview shows how white text looks on a background with the Yxy color 37.8940, 0.4603, 0.3325.

# 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

37.8940, 0.4603, 0.3325

### Protanopia

38.2241, 0.3417, 0.3631

### Deuteranopia

37.9746, 0.3905, 0.3832



## Tritanopia

37.9310, 0.4481, 0.3202

# Trichromacy



## Original Color

37.8940, 0.4603, 0.3325

## Protanomaly

36.9023, 0.3829, 0.3513

## Deuteranomaly

37.1289, 0.4167, 0.3621

## Tritanomaly

37.8204, 0.4528, 0.3243

# Monochromacy



## Original Color

37.8940, 0.4603, 0.3325

## Achromatopsia

37.6262, 0.3127, 0.3290

## Achromatomaly

36.3410, 0.3625, 0.3305

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.8940, 0.4603, 0.3325 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, 124)` looks like.

```
.text, #text, p{  
    color:rgb(255, 127, 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(255, 127, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 127, 124) }
```

## Border

The CSS property to change the border of an element to Yxy 37.8940, 0.4603, 0.3325 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, 124) }
```

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

```
.border{ border-color:rgb(255, 127, 124) }
```

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, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 127, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 127, 124);  
box-shadow:4px 4px 4px 4px rgb(255, 127,  
124) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.8940, 0.4603, 0.3325 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, 124) }
```

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

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

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