

# Converting Colors

Yxy(37.4574, 0.4803, 0.3613)

Have a look what the booklet for  
Yxy(37.4574, 0.4803, 0.3613)  
contains.

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# **Color**

**Yxy(37.4574, 0.4803, 0.3613)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FA8363
RGB	250, 131, 99
RGB Percent	98%, 51%, 39%
CMY	0.0196, 0.4863, 0.6116
CMYK	0.00, 0.48, 0.60, 0.02
HSL	13°, 94%, 68%
HSV	13°, 60%, 98%
XYZ	49.7946, 37.4574, 16.4220
YIQ	162.9330, 81.1960, 15.2760

# Conversions

## Conversions Part 2

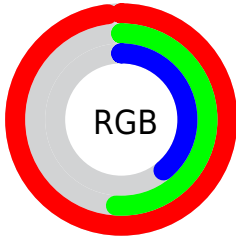
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	250, 140, 99
Decimal	16417635
CIE Lab	67.62, 42.65, 37.71
CIE LCh	68, 56.929, 41.484
Yxy	37.4574, 0.4803, 0.3613
Android (android.graphics.Color)	4294607715 (0xFFFA8363)
YUV	162.9330, -31.5190, 76.3578
Hunter-Lab	61.2025, 38.1241, 26.9329

# Details

The Yxy color **37.4574, 0.4803, 0.3613** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **59.7235, 0.2298, 0.2890**, and the grayscale version is **36.7185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5798, 0.4028, 0.3669**, and **16.3792, 0.5292, 0.3603** is the 20% darker color. If you saturate the color by 10%, you get **32.2526, 0.5217, 0.3628**, and if you desaturate by 10%, it is **43.8209, 0.4412, 0.3574**.

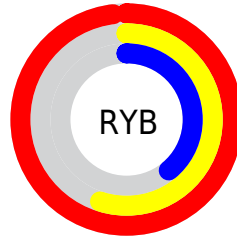
# Distribution



Red (98%)

Green (51%)

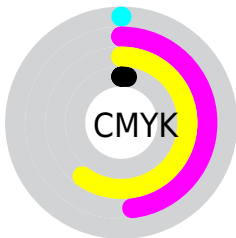
Blue (39%)



Red (98%)

Yellow (55%)

Blue (39%)

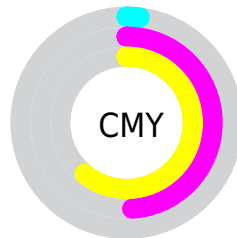


Cyan (0%)

Magenta (48%)

Yellow (60%)

Black (2%)



Cyan (2%)

Magenta (49%)


Yellow (61%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.4574, 0.4803, 0.3613 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 37.4574, 0.4803, 0.3613 by changing the saturation by 10% instead.





 37.4574, 0.4803,  
0.3613


 37.4574, 0.4803,  
0.3613


335.2866, 0.3939,  
0.3510

 25.5618, 0.5017,  
0.3616


 71.2757, 0.4488,  
0.3592

 16.4961, 0.5286,  
0.3605


 93.9672, 0.4370,  
0.3579

 9.8759, 0.5630,  
0.3564


 121.0262, 0.4270,  
0.3566

 5.3168, 0.6083,  
0.3466

 152.8370, 0.4184,  
0.3553

 2.4343, 0.6733,  
0.3267

189.7841, 0.4110,  
0.3541

 0.8434, 0.7310,  
0.2690

232.2518, 0.4046,

 0.0000, 1.0000,

0.3530

0.0000

280.6245, 0.3989,  
0.3519

■ 0.0000, 0.0000,  
0.0000

■ 37.4574, 0.4803,  
0.3613

■ 37.4574, 0.4803,  
0.3613

■ 32.2526, 0.5217,  
0.3628

■ 43.8209, 0.4412,  
0.3574

■ 28.1293, 0.5616,  
0.3609

■ 51.4024, 0.4063,  
0.3522

■ 25.0094, 0.5952,  
0.3553

■ 60.2638, 0.3764,  
0.3463

■ 22.8630, 0.6182,  
0.3473

■ 70.4614, 0.3514,  
0.3403

■ 82.0477, 0.3305,  
0.3346

95.0727, 0.3133,  
0.3292

99.0639, 0.3096,  
0.3290

# Harmonies

## Analogous

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



37.4574, 0.4415, 0.3016



37.4574, 0.4803, 0.3613



37.4574, 0.4650, 0.4224

# Triad

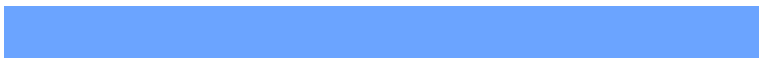
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



37.4574, 0.4803, 0.3613



37.4574, 0.2526, 0.4324



37.4574, 0.2108, 0.2021

# Complementary

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



37.4574, 0.4803, 0.3613



59.7235, 0.2298, 0.2890

# 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.



37.4574, 0.1755, 0.2154



37.4574, 0.4803, 0.3613



37.4574, 0.1952, 0.3401

# Square

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



37.4574, 0.4803, 0.3613



37.4574, 0.3308, 0.4849



37.4574, 0.1697, 0.2606



37.4574, 0.2755, 0.2150



# Rectangle

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



37.4574, 0.4803, 0.3613



37.4574, 0.4306, 0.4587



37.4574, 0.1697, 0.2606



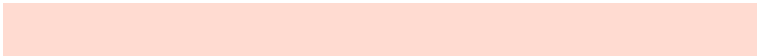
37.4574, 0.1957, 0.2034

# Sweetspot

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



37.4594, 0.4803, 0.3613



76.4358, 0.3461, 0.3390



34.4141, 0.3496, 0.2119



15.6424, 0.3526, 0.3407



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.



37.4594, 0.4803, 0.3613



32.9295, 0.5287, 0.3627



64.7518, 0.4253, 0.4341



17.8205, 0.3289, 0.3341



12.2944, 0.6157, 0.3493



1.2852, 0.5937, 0.3668



# Inverse Universe

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



59.7235, 0.2298, 0.2890



57.7550, 0.2193, 0.2798



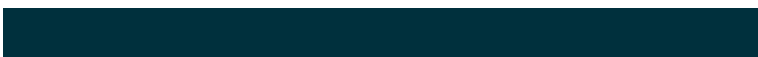
29.6055, 0.2072, 0.1892



18.9481, 0.2980, 0.3239



25.0782, 0.2054, 0.2593



2.4730, 0.2080, 0.2686



# Previews

## White Background



This preview shows how the Yxy color 37.4574, 0.4803, 0.3613 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 37.4574, 0.4803, 0.3613 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 37.4574, 0.4803, 0.3613**

## Background



This preview shows how black text looks on a background with the Yxy color 37.4574, 0.4803, 0.3613.



This preview shows how white text looks on a background with the Yxy color 37.4574, 0.4803, 0.3613.

# 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

37.4574, 0.4803, 0.3613

### Protanopia

37.6638, 0.3745, 0.4033

### Deuteranopia

37.6794, 0.4173, 0.4102



## Tritanopia

37.3664, 0.4453, 0.3201

# Trichromacy



## Original Color

37.4574, 0.4803, 0.3613

## Protanomaly

36.8231, 0.4129, 0.3876

## Deuteranomaly

37.0844, 0.4411, 0.3903

## Tritanomaly

37.3527, 0.4584, 0.3356

# Monochromacy



## Original Color

37.4574, 0.4803, 0.3613

## Achromatopsia

36.6253, 0.3127, 0.3290

## Achromatomaly

35.6288, 0.3697, 0.3439

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.4574, 0.4803, 0.3613 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(250, 131, 99)` looks like.

```
.text, #text, p{  
    color:rgb(250, 131, 99)  
}
```

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(250, 131, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 131, 99) }
```

## Border

The CSS property to change the border of an element to Yxy 37.4574, 0.4803, 0.3613 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(250, 131, 99) }
```

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

```
.border{ border-color:rgb(250, 131, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 131, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 131, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 131, 99);  
box-shadow:4px 4px 4px 4px rgb(250, 131,  
99) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.4574, 0.4803, 0.3613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 131, 99) }
```

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

```
.background{ background-color: rgb(250,  
131, 99) }
```

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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