

# Converting Colors

$Y_{xy}(37.5080, 0.4190, 0.2883)$

Have a look what the booklet for  
Yxy(37.5080, 0.4190, 0.2883)  
contains.

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# Color

**Yxy(37.5080, 0.4190, 0.2883)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF79A1
RGB	255, 121, 161
RGB Percent	100%, 47%, 63%
CMY	0.0000, 0.5255, 0.3687
CMYK	0.00, 0.53, 0.37, 0.00
HSL	342°, 100%, 74%
HSV	342°, 53%, 100%
XYZ	54.5121, 37.5080, 38.0804
YIQ	165.6260, 67.0240, 40.8480

# Conversions

## Conversions Part 2

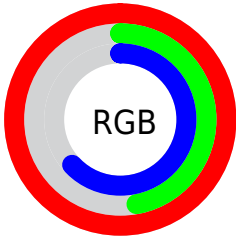
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">255, 121, 161</a>
Decimal	<a href="#">16742817</a>
CIELab	<a href="#">67.66, 54.83, 3.32</a>
CIELCh	<a href="#">68, 54.934, 3.470</a>
Yxy	<a href="#">37.5080, 0.4190, 0.2883</a>
Android (android.graphics.Color)	<a href="#">4294932897 (0xFFFF79A1)</a>
YUV	<a href="#">165.6260, -2.2806, 78.3810</a>
Hunter-Lab	<a href="#">61.2438, 51.7035, 6.0050</a>

# Details

The Yxy color **37.5080, 0.4190, 0.2883** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **80.4920, 0.2621, 0.3774**, and the grayscale version is **37.9298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6621, 0.3477, 0.2891**, and **16.6243, 0.4513, 0.2752** is the 20% darker color. If you saturate the color by 10%, you get **31.5215, 0.4522, 0.2832**, and if you desaturate by 10%, it is **45.2229, 0.3901, 0.2954**.

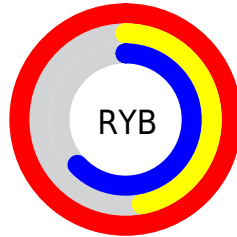
# Distribution



Red (100%)

Green (47%)

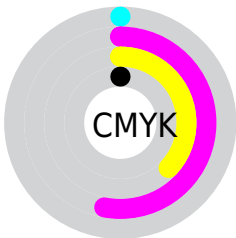
Blue (63%)



Red (100%)

Yellow (47%)

Blue (63%)

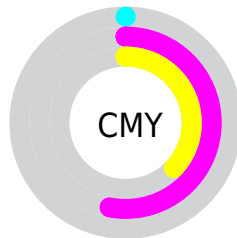


Cyan (0%)

Magenta (53%)

Yellow (37%)

Black (0%)



Cyan (0%)

Magenta (53%)


Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.5080, 0.4190, 0.2883 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 37.5080, 0.4190, 0.2883 by changing the saturation by 10% instead.




 37.5080, 0.4190,  
0.2883


 37.5080, 0.4190,  
0.2883


335.5047, 0.3640,  
0.3098


 25.6011, 0.4332,  
0.2826


 71.3534, 0.3986,  
0.2964

 16.5254, 0.4517,  
0.2751


 94.0607, 0.3911,  
0.2993

 9.8967, 0.4767,  
0.2649


 121.1368, 0.3848,  
0.3018

 5.3305, 0.5120,  
0.2501

152.9662, 0.3794,  
0.3039

 2.4425, 0.5653,  
0.2273

189.9333, 0.3747,  
0.3057

 0.8476, 0.6559,  
0.1896

232.4225, 0.3707,


 0.0000, 1.0000,

0.3072


0.0000

280.8182, 0.3672,  
0.3086


 0.0000, 0.0000,  
0.0000


 37.5080, 0.4190,  
0.2883


 37.5080, 0.4190,  
0.2883


 31.5215, 0.4522,  
0.2832


 45.2229, 0.3901,  
0.2954

 27.1267, 0.4886,  
0.2811

 54.7868, 0.3657,  
0.3033


 24.1673, 0.5256,  
0.2833

 66.3100, 0.3455,  
0.3116

 22.4544, 0.5597,  
0.2903

 79.8943, 0.3291,  
0.3196

 21.7832, 0.5817,  
0.2978

 95.6341, 0.3157,  
0.3272

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.



37.5080, 0.3369, 0.2416



37.5080, 0.4190, 0.2883



37.5080, 0.4696, 0.3451

# Triad

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



37.5080, 0.4190, 0.2883



37.5080, 0.3518, 0.4816



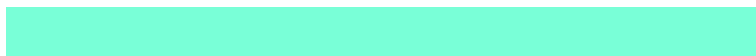
37.5080, 0.1751, 0.2276

# Complementary

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



37.5080, 0.4190, 0.2883



80.4920, 0.2621, 0.3774

# 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.



37.5080, 0.1775, 0.2808



37.5080, 0.4190, 0.2883



37.5080, 0.2740, 0.4475

# Square

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



37.5080, 0.4190, 0.2883



37.5080, 0.4233, 0.4579



37.5080, 0.2111, 0.3643



37.5080, 0.2019, 0.2066



# Rectangle

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



37.5080, 0.4190, 0.2883



37.5080, 0.4748, 0.3850



37.5080, 0.2111, 0.3643



37.5080, 0.1726, 0.2415

# Sweetspot

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



37.5083, 0.4190, 0.2883



74.9661, 0.3344, 0.3168



35.3123, 0.2829, 0.1890



15.4426, 0.3377, 0.3152



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.



37.5083, 0.4190, 0.2883



31.2896, 0.4538, 0.2830



43.7583, 0.4505, 0.3568



18.0763, 0.3247, 0.3219



11.4050, 0.5774, 0.2955



1.1287, 0.5454, 0.2778



# Inverse Universe

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



37.5083, 0.4190, 0.2883



31.2896, 0.4538, 0.2830



66.8823, 0.2385, 0.2969



18.0763, 0.3247, 0.3219



11.4050, 0.5774, 0.2955



1.1287, 0.5454, 0.2778



# Previews

## White Background



This preview shows how the Yxy color 37.5080, 0.4190, 0.2883 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 37.5080, 0.4190, 0.2883 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

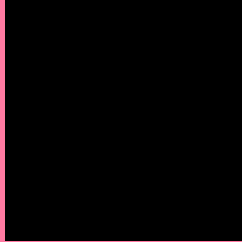
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 37.5080, 0.4190, 0.2883**

## Background



This preview shows how black text looks on a background with the Yxy color 37.5080, 0.4190, 0.2883.

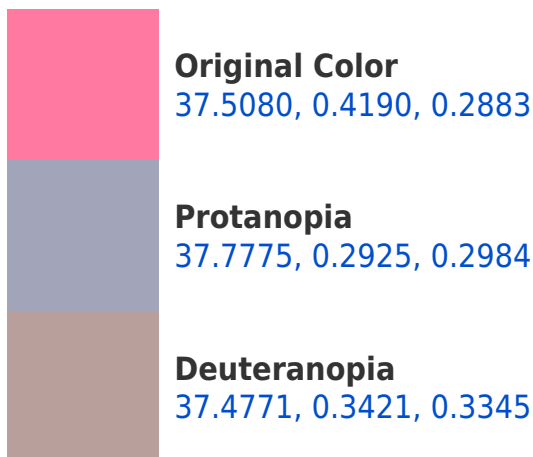


This preview shows how white text looks on a background with the Yxy color 37.5080, 0.4190, 0.2883.

# 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

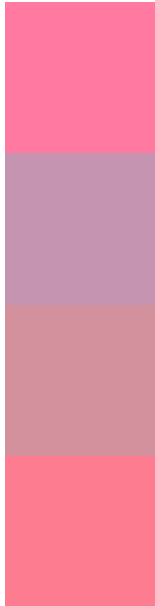




## Tritanopia

37.5536, 0.4462, 0.3201

# Trichromacy



## Original Color

37.5080, 0.4190, 0.2883

## Protanomaly

36.0899, 0.3336, 0.2916

## Deuteranomaly

36.3868, 0.3694, 0.3141

## Tritanomaly

37.4998, 0.4374, 0.3088

# Monochromacy



## Original Color

37.5080, 0.4190, 0.2883

## Achromatopsia

38.1326, 0.3127, 0.3290

## Achromatomaly

36.4988, 0.3483, 0.3109

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.5080, 0.4190, 0.2883 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, 121, 161)` looks like.

```
.text, #text, p{  
    color:rgb(255, 121, 161)  
}
```

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, 121, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 121, 161) }
```

## Border

The CSS property to change the border of an element to Yxy 37.5080, 0.4190, 0.2883 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, 121, 161) }
```

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

```
.border{ border-color:rgb(255, 121, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 121, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 121, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 121, 161);  
box-shadow:4px 4px 4px 4px rgb(255, 121,  
161) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.5080, 0.4190, 0.2883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 121, 161) }
```

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

```
.background{ background-color: rgb(255,  
121, 161) }
```

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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