

# Converting Colors

$Yxy(37.0443, 0.4008, 0.2811)$

Have a look what the booklet for  
Yxy(37.0443, 0.4008, 0.2811)  
contains.

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# Color

**Yxy(37.0540, 0.4004, 0.2814)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F77CA9
RGB	247, 124, 169
RGB Percent	97%, 49%, 66%
CMY	0.0314, 0.5137, 0.3373
CMYK	0.00, 0.50, 0.32, 0.03
HSL	338°, 88%, 73%
HSV	338°, 50%, 97%
XYZ	52.7236, 37.0540, 41.8997
YIQ	165.9070, 58.8630, 40.0710

# Conversions

## Conversions Part 2

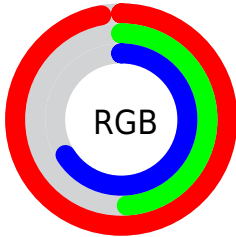
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 124, 169
Decimal	16219305
CIE <sub>Lab</sub>	67.32, 51.70, -1.82
CIE <sub>LCh</sub>	67, 51.732, 357.982
Y <sub>xy</sub>	37.0540, 0.4004, 0.2814
Android (android.graphics.Color)	4294409385 (0xFFFF77CA9)
Y <sub>UV</sub>	165.9070, 1.5248, 71.1186
Hunter-Lab	60.8720, 48.0798, 1.7996

# Details

The Yxy color **37.0540, 0.4004, 0.2814** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **75.0693, 0.2680, 0.3851**, and the grayscale version is **38.0588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2843, 0.3406, 0.2843**, and **16.3560, 0.4278, 0.2677** is the 20% darker color. If you saturate the color by 10%, you get **31.0668, 0.4288, 0.2740**, and if you desaturate by 10%, it is **44.6655, 0.3759, 0.2906**.

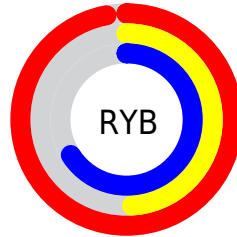
# Distribution



Red (97%)

Green (49%)

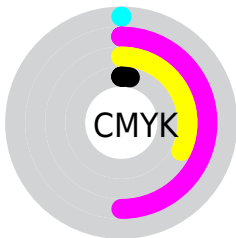
Blue (66%)



Red (97%)

Yellow (49%)

Blue (66%)

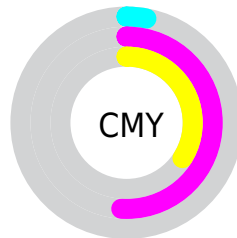


Cyan (0%)

Magenta (50%)

Yellow (32%)

Black (3%)



Cyan (3%)

Magenta (51%)


Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.0540, 0.4004, 0.2814 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 37.0540, 0.4004, 0.2814 by changing the saturation by 10% instead.




 37.0540, 0.4004,  
0.2814


 37.0540, 0.4004,  
0.2814


333.5443, 0.3552,  
0.3058


 25.2493, 0.4121,  
0.2752


 70.6558, 0.3837,  
0.2904

 16.2629, 0.4272,  
0.2671


 93.2218, 0.3775,  
0.2937

 9.7104, 0.4477,  
0.2563


 120.1435, 0.3723,  
0.2965

 5.2074, 0.4769,  
0.2410

151.8056, 0.3679,  
0.2989

 2.3694, 0.5213,  
0.2180

188.5923, 0.3640,  
0.3010

 0.8101, 0.5956,  
0.1800

230.8880, 0.3607,

 0.0000, 1.0000,

0.3028

0.0000

279.0772, 0.3578,  
0.3043

0.0000, 0.0000,  
0.0000

37.0540, 0.4004,  
0.2814

37.0540, 0.4004,  
0.2814

31.0668, 0.4288,  
0.2740

44.6655, 0.3759,  
0.2906

26.5779, 0.4604,  
0.2695

54.0040, 0.3552,  
0.3005

23.4516, 0.4936,  
0.2692

65.1699, 0.3381,  
0.3104

21.5246, 0.5261,  
0.2740

78.2546, 0.3240,  
0.3201

20.5333, 0.5555,  
0.2835

93.3431, 0.3125,  
0.3292

■ 20.5165, 0.5561,  
0.2837

■ 98.5130, 0.3078,  
0.3290

# Harmonies

## Analogous

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



37.0540, 0.3211, 0.2391



37.0540, 0.4004, 0.2814



37.0540, 0.4559, 0.3349

# Triad

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



37.0540, 0.4004, 0.2814



37.0540, 0.3641, 0.4726



37.0540, 0.1796, 0.2398

# Complementary

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



37.0540, 0.4004, 0.2814



75.0693, 0.2680, 0.3851

# 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.



37.0540, 0.1874, 0.2966



37.0540, 0.4004, 0.2814



37.0540, 0.2897, 0.4505

# Square

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



37.0540, 0.4004, 0.2814



37.0540, 0.4288, 0.4443



37.0540, 0.2255, 0.3782



37.0540, 0.2003, 0.2139



# Rectangle

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



37.0540, 0.4004, 0.2814



37.0540, 0.4673, 0.3730



37.0540, 0.2255, 0.3782



37.0540, 0.1789, 0.2552

# Sweetspot

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



37.0559, 0.4004, 0.2814



76.5115, 0.3310, 0.3151



33.6768, 0.2778, 0.1936



15.7532, 0.3340, 0.3130



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.



37.0559, 0.4004, 0.2814



33.2294, 0.4297, 0.2738



40.1054, 0.4448, 0.3468



16.5827, 0.3236, 0.3204



10.8760, 0.5517, 0.2813



0.9750, 0.5174, 0.2624



# Inverse Universe

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



37.0559, 0.4004, 0.2814



33.2294, 0.4297, 0.2738



67.9273, 0.2437, 0.3091



16.5827, 0.3236, 0.3204



10.8760, 0.5517, 0.2813



0.9750, 0.5174, 0.2624



# Previews

## White Background



This preview shows how the Yxy color 37.0540, 0.4004, 0.2814 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

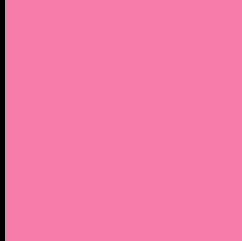
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.0540, 0.4004, 0.2814 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 37.0540, 0.4004, 0.2814**

## Background



This preview shows how black text looks on a background with the Yxy color 37.0540, 0.4004, 0.2814.



This preview shows how white text looks on a background with the Yxy color 37.0540, 0.4004, 0.2814.

# 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

37.0540, 0.4004, 0.2814

### Protanopia

37.3137, 0.2836, 0.2874

### Deuteranopia

37.1439, 0.3295, 0.3235



## Tritanopia

37.0624, 0.4308, 0.3196

# Trichromacy



**Original Color**

37.0540, 0.4004, 0.2814

**Protanomaly**

35.9027, 0.3208, 0.2834

**Deuteranomaly**

36.1118, 0.3544, 0.3049

**Tritanomaly**

37.0528, 0.4196, 0.3056

# Monochromacy



**Original Color**

37.0540, 0.4004, 0.2814

**Achromatopsia**

38.1326, 0.3127, 0.3290

**Achromatomaly**

36.5253, 0.3420, 0.3081

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.0540, 0.4004, 0.2814 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(247, 124, 169)` looks like.

```
.text, #text, p{  
    color:rgb(247, 124, 169)  
}
```

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(247, 124, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 124, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 37.0540, 0.4004, 0.2814 is called "border". The border property can be set on classes, ids or directly on the HTML element.

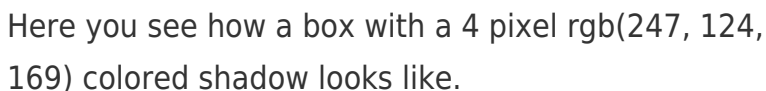
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(247, 124, 169) }
```

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

```
.border{ border-color:rgb(247, 124, 169) }
```

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



Here you see how a box with a 4 pixel `rgb(247, 124, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(247, 124, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(247, 124, 169); box-shadow:4px 4px 4px 4px rgb(247, 124, 169) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.0540, 0.4004, 0.2814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 124, 169) }
```

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

```
.background{ background-color: rgb(247,  
124, 169) }
```

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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