

# Converting Colors

Yxy(37.4013, 0.4068, 0.2754)

Have a look what the booklet for  
Yxy(37.4013, 0.4068, 0.2754)  
contains.

<b>Yxy(37.4322, 0.4063, 0.2751)</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(37.4322, 0.4063, 0.2751)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF77AC
RGB	255, 119, 172
RGB Percent	100%, 47%, 67%
CMY	0.0000, 0.5333, 0.3254
CMYK	0.00, 0.53, 0.33, 0.00
HSL	337°, 100%, 73%
HSV	337°, 53%, 100%
XYZ	55.2843, 37.4322, 43.3511
YIQ	165.7060, 64.0430, 45.3150

# Conversions

## Conversions Part 2

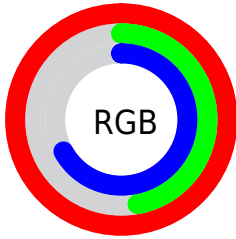
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	255, 119, 172
Decimal	16742316
CIE <sub>Lab</sub>	67.60, 57.03, -3.00
CIE <sub>LCh</sub>	68, 57.107, 356.994
Yxy	37.4322, 0.4063, 0.2751
Android (android.graphics.Color)	4294932396 (0xFFFF77AC)
YUV	165.7060, 3.1029, 78.3108
Hunter-Lab	61.1819, 54.2253, 0.8167

# Details

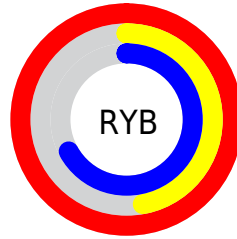
The Yxy color **37.4322, 0.4063, 0.2751** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **79.7048, 0.2673, 0.3943**, and the grayscale version is **37.9475, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.4660, 0.3387, 0.2763**, and **16.5132, 0.4345, 0.2593** is the 20% darker color. If you saturate the color by 10%, you get **31.5935, 0.4346, 0.2680**, and if you desaturate by 10%, it is **44.9725, 0.3815, 0.2844**.

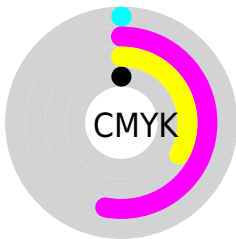
# Distribution



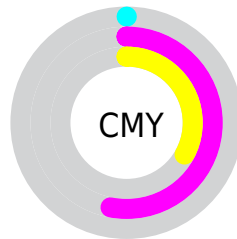
- Red (100%)
- Green (47%)
- Blue (67%)



- Red (100%)
- Yellow (47%)
- Blue (67%)



- Cyan (0%)
- Magenta (53%)
- Yellow (33%)
- Black (0%)




- Cyan (0%)
- Magenta (53%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.4322, 0.4063, 0.2751 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 37.4322, 0.4063, 0.2751 by changing the saturation by 10% instead.





 37.4322, 0.4063,  
0.2751


 37.4322, 0.4063,  
0.2751

335.1779, 0.3583,  
0.3024


 25.5423, 0.4186,  
0.2682


 71.2370, 0.3886,  
0.2851

 16.4815, 0.4345,  
0.2593


 93.9207, 0.3820,  
0.2888

 9.8655, 0.4560,  
0.2475


 120.9711, 0.3765,  
0.2920

 5.3099, 0.4862,  
0.2310

152.7727, 0.3718,  
0.2947

 2.4302, 0.5317,  
0.2066

189.7097, 0.3677,  
0.2970

 0.8414, 0.6062,  
0.1677

232.1667, 0.3642,


 0.0000, 1.0000,


0.2990


0.0000

280.5280, 0.3611,  
0.3008


 0.0000, 0.0000,  
0.0000

 37.4322, 0.4063,  
0.2751

 37.4322, 0.4063,  
0.2751


 31.5935, 0.4346,  
0.2680


 44.9725, 0.3815,  
0.2844


 27.3149, 0.4656,  
0.2644


 54.3297, 0.3603,  
0.2948


 24.4412, 0.4975,  
0.2655

 65.6154, 0.3427,  
0.3054

 22.7819, 0.5281,  
0.2719

 78.9307, 0.3281,  
0.3159

 22.1684, 0.5468,  
0.2786

 94.3695, 0.3162,  
0.3258

99.9997, 0.3127,  
0.3290

# Harmonies

## Analogous

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



37.4322, 0.3185, 0.2305



37.4322, 0.4063, 0.2751



37.4322, 0.4688, 0.3319

# Triad

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



37.4322, 0.4063, 0.2751



37.4322, 0.3698, 0.4867



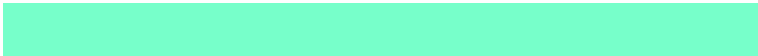
37.4322, 0.1686, 0.2326

# Complementary

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



37.4322, 0.4063, 0.2751



79.7048, 0.2673, 0.3943

# 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.



37.4322, 0.1776, 0.2950



37.4322, 0.4063, 0.2751



37.4322, 0.2889, 0.4663

# Square

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



37.4322, 0.4063, 0.2751



37.4322, 0.4400, 0.4515



37.4322, 0.2189, 0.3862



37.4322, 0.1897, 0.2046



# Rectangle

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



37.4322, 0.4063, 0.2751



37.4322, 0.4819, 0.3727



37.4322, 0.2189, 0.3862



37.4322, 0.1682, 0.2494

# Sweetspot

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



37.4341, 0.4063, 0.2751



75.1735, 0.3317, 0.3131



32.7773, 0.2705, 0.1823



15.4917, 0.3346, 0.3110



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.



37.4341, 0.4063, 0.2751



31.2604, 0.4366, 0.2676



39.2589, 0.4624, 0.3432



18.1043, 0.3233, 0.3198



11.6108, 0.5425, 0.2762



1.1512, 0.5121, 0.2594



# Inverse Universe

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



37.4341, 0.4063, 0.2751



31.2604, 0.4366, 0.2676



74.2894, 0.2410, 0.3129



18.1043, 0.3233, 0.3198



11.6108, 0.5425, 0.2762



1.1512, 0.5121, 0.2594



# Previews

## White Background



This preview shows how the Yxy color 37.4322, 0.4063, 0.2751 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

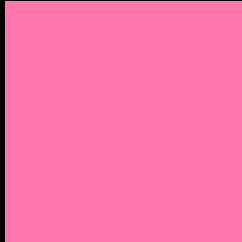
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.4322, 0.4063, 0.2751 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 37.4322, 0.4063, 0.2751**

## **Background**



This preview shows how black text looks on a background with the Yxy color 37.4322, 0.4063, 0.2751.



This preview shows how white text looks on a background with the Yxy color 37.4322, 0.4063, 0.2751.

# 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

37.4322, 0.4063, 0.2751

### Protanopia

37.8891, 0.2776, 0.2797

### Deuteranopia

37.6820, 0.3285, 0.3222



## Tritanopia

37.3664, 0.4453, 0.3201

# Trichromacy



**Original Color**

37.4322, 0.4063, 0.2751

**Protanomaly**

36.2350, 0.3182, 0.2753

**Deuteranomaly**

36.4878, 0.3556, 0.3003

**Tritanomaly**

37.1867, 0.4320, 0.3035

# Monochromacy



**Original Color**

37.4322, 0.4063, 0.2751

**Achromatopsia**

38.1326, 0.3127, 0.3290

**Achromatomaly**

36.3278, 0.3445, 0.3044

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.4322, 0.4063, 0.2751 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, 119, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 119, 172)  
}
```

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, 119, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 119, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 37.4322, 0.4063, 0.2751 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, 119, 172) }
```

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

```
.border{ border-color:rgb(255, 119, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 119, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 119, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 119, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 119,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.4322, 0.4063, 0.2751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 119, 172) }
```

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

```
.background{ background-color: rgb(255,  
119, 172) }
```

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