

Converting Colors

$Yxy(37.0368, 0.4047, 0.2714)$

Have a look what the booklet for
Yxy(37.0368, 0.4047, 0.2714)
contains.

Yxy(37.0386, 0.4045, 0.2712)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.0386, 0.4045, 0.2712)

Conversions

Conversions Part 1

Format	Color
Hex	FF75AE
RGB	255, 117, 174
RGB Percent	100%, 46%, 68%
CMY	0.0000, 0.5412, 0.3176
CMYK	0.00, 0.54, 0.32, 0.00
HSL	335°, 100%, 73%
HSV	335°, 54%, 100%
XYZ	55.2438, 37.0386, 44.2906
YIQ	164.7600, 63.9510, 46.9830

Conversions

Conversions Part 2

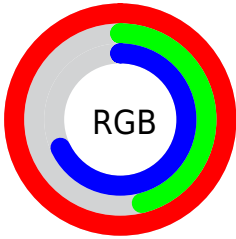
Format	Color
R _Y B	255, 117, 174
Decimal	16741806
CIE Lab	67.31, 58.19, -4.56
CIE LCh	67, 58.372, 355.522
Yxy	37.0386, 0.4045, 0.2712
Android (android.graphics.Color)	4294931886 (0xFFFF75AE)
YUV	164.7600, 4.5553, 79.1405
Hunter-Lab	60.8593, 55.5257, -0.5470

Details

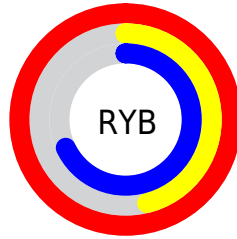
The Yxy color **37.0386, 0.4045, 0.2712** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **79.3785, 0.2683, 0.3997**, and the grayscale version is **37.4614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8043, 0.3373, 0.2724**, and **16.2390, 0.4320, 0.2539** is the 20% darker color. If you saturate the color by 10%, you get **31.3333, 0.4317, 0.2638**, and if you desaturate by 10%, it is **44.4290, 0.3805, 0.2809**.

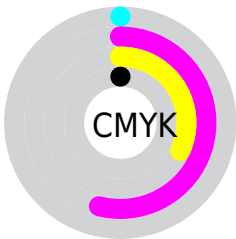
Distribution



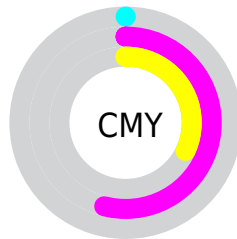
- Red (100%)
- Green (46%)
- Blue (68%)



- Red (100%)
- Yellow (46%)
- Blue (68%)



- Cyan (0%)
- Magenta (54%)
- Yellow (32%)
- Black (0%)





- Cyan (0%)
- Magenta (54%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.0386, 0.4045, 0.2712 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 37.0386, 0.4045, 0.2712 by changing the saturation by 10% instead.

 37.0386, 0.4045,
0.2712


 37.0386, 0.4045,
0.2712


333.4776, 0.3575,
0.3003


 25.2374, 0.4165,
0.2639


 70.6321, 0.3872,
0.2818

 16.2540, 0.4321,
0.2546


 93.1933, 0.3808,
0.2858

 9.7041, 0.4530,
0.2421


 120.1098, 0.3753,
0.2891

 5.2032, 0.4825,
0.2249

151.7662, 0.3707,
0.2920

 2.3670, 0.5269,
0.1997

188.5467, 0.3667,
0.2945

 0.8088, 0.5996,
0.1597

230.8359, 0.3633,


 0.0000, 1.0000,

0.2967


0.0000


279.0180, 0.3602,
0.2986


 0.0000, 0.0000,
0.0000

 37.0386, 0.4045,
0.2712


 37.0386, 0.4045,
0.2712


 31.3333, 0.4317,
0.2638


 44.4290, 0.3805,
0.2809


 27.1730, 0.4614,
0.2600

 53.6229, 0.3600,
0.2919


 24.3999, 0.4919,
0.2610

 64.7319, 0.3428,
0.3032

 22.8203, 0.5211,
0.2675

 77.8572, 0.3286,
0.3143

 22.2873, 0.5372,
0.2733

 93.0932, 0.3169,
0.3248

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.



37.0386, 0.3141, 0.2266



37.0386, 0.4045, 0.2712



37.0386, 0.4708, 0.3285

Triad

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



37.0386, 0.4045, 0.2712



37.0386, 0.3745, 0.4900



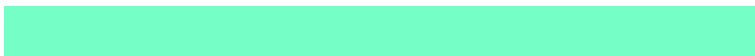
37.0386, 0.1654, 0.2324

Complementary

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



37.0386, 0.4045, 0.2712



79.3785, 0.2683, 0.3997

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.



37.0386, 0.1759, 0.2979



37.0386, 0.4045, 0.2712



37.0386, 0.2920, 0.4730

Square

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



37.0386, 0.4045, 0.2712



37.0386, 0.4454, 0.4512



37.0386, 0.2195, 0.3925



37.0386, 0.1853, 0.2026

Rectangle

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



37.0386, 0.4045, 0.2712



37.0386, 0.4859, 0.3699



37.0386, 0.2195, 0.3925



37.0386, 0.1654, 0.2501

Sweetspot

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



37.0396, 0.4045, 0.2712



75.2272, 0.3311, 0.3122



31.8810, 0.2677, 0.1794



15.5045, 0.3339, 0.3099



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.



37.0396, 0.4045, 0.2712



30.9058, 0.4343, 0.2633



38.1139, 0.4673, 0.3410



18.1115, 0.3229, 0.3192



11.6736, 0.5330, 0.2710



1.1577, 0.5034, 0.2547

Inverse Universe

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



37.0396, 0.4045, 0.2712



30.9058, 0.4343, 0.2633



75.4030, 0.2408, 0.3153



18.1115, 0.3229, 0.3192



11.6736, 0.5330, 0.2710



1.1577, 0.5034, 0.2547

Previews

White Background



This preview shows how the Yxy color 37.0386, 0.4045, 0.2712 looks on a white background.

Color Contrast Check

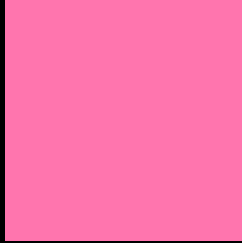
Large Text (above 18pt) WCAG AA × Fail

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 37.0386, 0.4045, 0.2712 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 37.0386, 0.4045, 0.2712

Background



This preview shows how black text looks on a background with the Yxy color 37.0386, 0.4045, 0.2712.



This preview shows how white text looks on a background with the Yxy color 37.0386, 0.4045, 0.2712.

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

37.0386, 0.4045, 0.2712

Protanopia

37.4747, 0.2737, 0.2743

Deuteranopia

37.1700, 0.3248, 0.3181



Tritanopia

37.0839, 0.4470, 0.3201

Trichromacy



Original Color

37.0386, 0.4045, 0.2712



Protanomaly

35.4399, 0.3145, 0.2700



Deuteranomaly

36.1142, 0.3527, 0.2965



Tritanomaly

36.9716, 0.4313, 0.3014

Monochromacy



Original Color

37.0386, 0.4045, 0.2712



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

36.0127, 0.3447, 0.3031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0386, 0.4045, 0.2712 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, 117, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 174)  
}
```

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, 117, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 174) }
```

Border

The CSS property to change the border of an element to Yxy 37.0386, 0.4045, 0.2712 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, 117, 174) }
```

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

```
.border{ border-color:rgb(255, 117, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 117, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0386, 0.4045, 0.2712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 174) }
```

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

```
.background{ background-color: rgb(255,  
117, 174) }
```

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