

Converting Colors

$Y_{xy}(37.1909, 0.3997, 0.2672)$

Have a look what the booklet for
Yxy(37.1909, 0.3997, 0.2672)
contains.

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Color

Yxy(37.1969, 0.3997, 0.2672)

Conversions

Conversions Part 1

Format	Color
Hex	FF75B2
RGB	255, 117, 178
RGB Percent	100%, 46%, 70%
CMY	0.0000, 0.5412, 0.3019
CMYK	0.00, 0.54, 0.30, 0.00
HSL	333°, 100%, 73%
HSV	333°, 54%, 100%
XYZ	55.6422, 37.1969, 46.3708
YIQ	165.2160, 62.6670, 48.2270

Conversions

Conversions Part 2

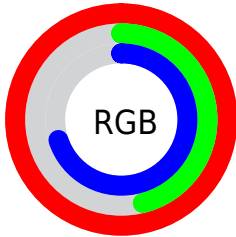
Format	Color
R _Y B	255, 117, 178
Decimal	16741810
CIE Lab	67.42, 58.68, -6.64
CIE LCh	67, 59.058, 353.547
Yxy	37.1969, 0.3997, 0.2672
Android (android.graphics.Color)	4294931890 (0xFFFF75B2)
YUV	165.2160, 6.3025, 78.7406
Hunter-Lab	60.9893, 56.1194, -2.3864

Details

The Yxy color **37.1969, 0.3997, 0.2672** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **79.1958, 0.2702, 0.4050**, and the grayscale version is **37.6802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0877, 0.3331, 0.2677**, and **16.3145, 0.4266, 0.2501** is the 20% darker color. If you saturate the color by 10%, you get **31.4993, 0.4253, 0.2591**, and if you desaturate by 10%, it is **44.5693, 0.3771, 0.2777**.

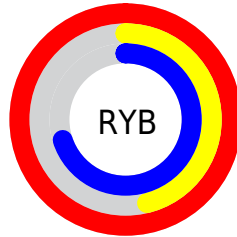
Distribution



Red (100%)

Green (46%)

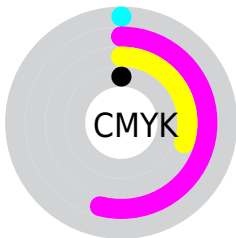
Blue (70%)



Red (100%)

Yellow (46%)

Blue (70%)

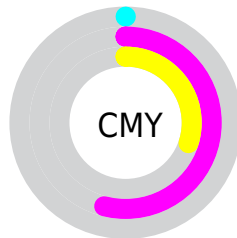


Cyan (0%)

Magenta (54%)

Yellow (30%)

Black (0%)



Cyan (0%)


Magenta (54%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1969, 0.3997, 0.2672 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 37.1969, 0.3997, 0.2672 by changing the saturation by 10% instead.


 37.1969, 0.3997,
0.2672


 37.1969, 0.3997,
0.2672


334.1622, 0.3554,
0.2980

 25.3600, 0.4110,
0.2596


 70.8755, 0.3834,
0.2784

 16.3455, 0.4255,
0.2498


 93.4860, 0.3774,
0.2826

 9.7689, 0.4451,
0.2370


 120.4565, 0.3722,
0.2861

 5.2460, 0.4725,
0.2194

152.1713, 0.3679,
0.2892

 2.3923, 0.5135,
0.1938

189.0149, 0.3641,
0.2918

 0.8219, 0.5804,
0.1542

231.3716, 0.3608,

 0.0000, 0.8868,

0.2942

0.0000

279.6259, 0.3579,
0.2962

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

37.1969, 0.3997,
0.2672

37.1969, 0.3997,
0.2672

31.4993, 0.4253,
0.2591

44.5693, 0.3771,
0.2777

27.3434, 0.4531,
0.2546


53.7414, 0.3577,
0.2893


24.5697, 0.4818,
0.2551

64.8221, 0.3414,
0.3014

22.9845, 0.5096,
0.2610

77.9125, 0.3279,
0.3132

 22.4464, 0.5250,
0.2666

 93.1067, 0.3167,
0.3245

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.



37.1969, 0.3082, 0.2235



37.1969, 0.3997, 0.2672



37.1969, 0.4694, 0.3243

Triad

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



37.1969, 0.3997, 0.2672



37.1969, 0.3802, 0.4903



37.1969, 0.1639, 0.2347

Complementary

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



37.1969, 0.3997, 0.2672



79.1958, 0.2702, 0.4050

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.



37.1969, 0.1765, 0.3030



37.1969, 0.3997, 0.2672



37.1969, 0.2970, 0.4780

Square

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



37.1969, 0.3997, 0.2672



37.1969, 0.4503, 0.4484



37.1969, 0.2226, 0.3997



37.1969, 0.1820, 0.2025

Rectangle

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



37.1969, 0.3997, 0.2672



37.1969, 0.4873, 0.3658



37.1969, 0.2226, 0.3997



37.1969, 0.1646, 0.2532

Sweetspot

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



37.1957, 0.3997, 0.2672



75.2942, 0.3302, 0.3110



31.2649, 0.2637, 0.1778



15.5204, 0.3329, 0.3086



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.



37.1957, 0.3997, 0.2672



31.0740, 0.4277, 0.2585



36.9328, 0.4703, 0.3363



18.1205, 0.3224, 0.3185



11.7576, 0.5209, 0.2643



1.1664, 0.4925, 0.2487

Inverse Universe

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



37.1957, 0.3997, 0.2672



31.0740, 0.4277, 0.2585



78.1975, 0.2420, 0.3208



18.1205, 0.3224, 0.3185



11.7576, 0.5209, 0.2643



1.1664, 0.4925, 0.2487

Previews

White Background



This preview shows how the Yxy color 37.1969, 0.3997, 0.2672 looks on a white background.

Color Contrast Check

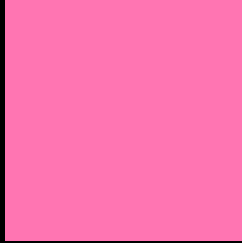
Large Text (above 18pt) WCAG AA × Fail

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 37.1969, 0.3997, 0.2672 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 37.1969, 0.3997, 0.2672

Background



This preview shows how black text looks on a background with the Yxy color 37.1969, 0.3997, 0.2672.

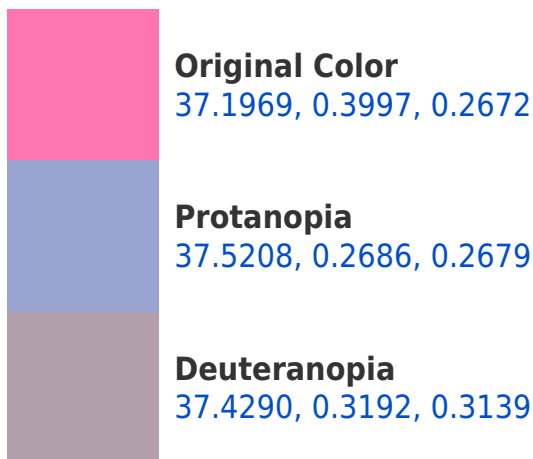


This preview shows how white text looks on a background with the Yxy color 37.1969, 0.3997, 0.2672.

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

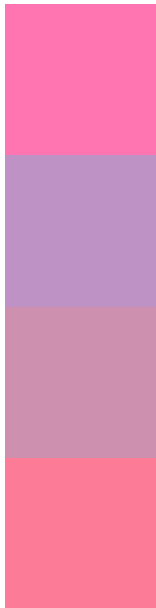




Tritanopia

37.1802, 0.4443, 0.3200

Trichromacy



Original Color

37.1969, 0.3997, 0.2672

Protanomaly

35.5361, 0.3090, 0.2640

Deuteranomaly

35.9816, 0.3465, 0.2913

Tritanomaly

37.0957, 0.4274, 0.3002

Monochromacy



Original Color

37.1969, 0.3997, 0.2672

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

36.0879, 0.3426, 0.3006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1969, 0.3997, 0.2672 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 178) }
```

Border

The CSS property to change the border of an element to Yxy 37.1969, 0.3997, 0.2672 is called "border". The border property can be set on classes, ids or directly on the HTML element.

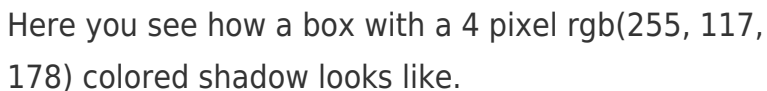
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 117, 178) }
```

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

```
.border{ border-color:rgb(255, 117, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 117, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 117, 178); box-shadow:4px 4px 4px 4px rgb(255, 117, 178) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1969, 0.3997, 0.2672 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, 178) }
```

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

```
.background{ background-color: rgb(255,  
117, 178) }
```

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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