

Converting Colors

$Y_{xy}(40.1778, 0.3823, 0.2418)$

Have a look what the booklet for
Yxy(40.1778, 0.3823, 0.2418)
contains.

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Color

Yxy(37.4780, 0.3691, 0.2379)

Conversions

Conversions Part 1

Format	Color
Hex	FF71CD
RGB	255, 113, 205
RGB Percent	100%, 44%, 80%
CMY	0.0002, 0.5566, 0.1962
CMYK	0.00, 0.56, 0.20, 0.00
HSL	321°, 100%, 72%
HSV	321°, 56%, 100%
XYZ	58.1468, 37.4780, 61.9120
YIQ	165.9460, 55.1000, 58.7160

Conversions

Conversions Part 2

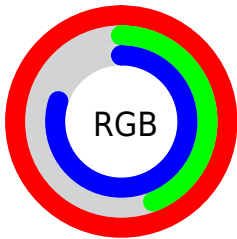
Format	Color
R _Y B	255, 113, 205
Decimal	16740813
CIE Lab	67.63, 63.96, -21.50
CIE LCh	68, 67.479, 341.425
Yxy	37.4780, 0.3691, 0.2379
Android (android.graphics.Color)	4294930893 (0xFFFF71CD)
YUV	165.9460, 19.2536, 78.1004
Hunter-Lab	61.2193, 62.4078, -17.1074

Details

The Yxy color **37.4780, 0.3691, 0.2379** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.6444, 0.2828, 0.4465**, and the grayscale version is **37.9987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2295, 0.3166, 0.2460**, and **16.4748, 0.3830, 0.2145** is the 20% darker color. If you saturate the color by 10%, you get **32.1433, 0.3839, 0.2258**, and if you desaturate by 10%, it is **44.4388, 0.3556, 0.2527**.

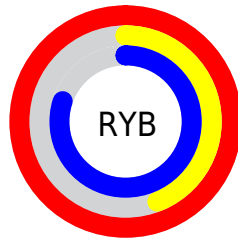
Distribution



Red (100%)

Green (44%)

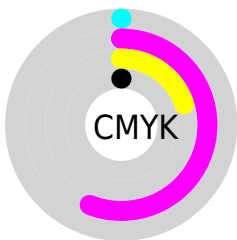
Blue (80%)



Red (100%)

Yellow (44%)

Blue (80%)

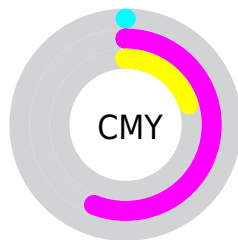


Cyan (0%)

Magenta (56%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.4780, 0.3691, 0.2379 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 37.4780, 0.3691, 0.2379 by changing the saturation by 10% instead.


 37.4780, 0.3691,
0.2379


 37.4780, 0.3691,
0.2379


335.3754, 0.3418,
0.2812


 25.5778, 0.3756,
0.2278


 71.3073, 0.3594,
0.2531

 16.5081, 0.3838,
0.2153


 94.0053, 0.3557,
0.2590

 9.8844, 0.3943,
0.1994


 121.0712, 0.3525,
0.2640

 5.3224, 0.4083,
0.1785

152.8896, 0.3498,
0.2684

 2.4376, 0.4279,
0.1504

189.8449, 0.3474,
0.2722

 0.8451, 0.4566,
0.1113

232.3213, 0.3453,

 0.0000, 0.5312,

0.2755

0.0000

280.7033, 0.3435,
0.2785

0.0000, 0.9552,
0.0000

0.0000, 0.0000,
0.0000

37.4780, 0.3691,
0.2379

37.4780, 0.3691,
0.2379

32.1433, 0.3839,
0.2258

44.4388, 0.3556,
0.2527

28.2912, 0.3995,
0.2177

53.1421, 0.3435,
0.2692

25.7624, 0.4154,
0.2144

63.7002, 0.3330,
0.2863

24.3576, 0.4309,
0.2164

76.2141, 0.3241,
0.3034

■ 23.9719, 0.4375,
0.2184

■ 90.7775, 0.3165,
0.3200

99.9894, 0.3127,
0.3290

Harmonies

Analogous

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



37.4780, 0.2680, 0.1987



37.4780, 0.3691, 0.2379



37.4780, 0.4649, 0.2951

Triad

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



37.4780, 0.3691, 0.2379



37.4780, 0.4198, 0.4947



37.4780, 0.1491, 0.2469

Complementary

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



37.4780, 0.3691, 0.2379



77.6444, 0.2828, 0.4465

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.



37.4780, 0.1761, 0.3404



37.4780, 0.3691, 0.2379



37.4780, 0.3300, 0.5162

Square

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



37.4780, 0.3691, 0.2379



37.4780, 0.4878, 0.4313



37.4780, 0.2405, 0.4546



37.4780, 0.1560, 0.1974

Rectangle

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



37.4780, 0.3691, 0.2379



37.4780, 0.5020, 0.3386



37.4780, 0.2405, 0.4546



37.4780, 0.1541, 0.2732

Sweetspot

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



37.4798, 0.3691, 0.2379



74.4476, 0.3252, 0.3012



26.7972, 0.2386, 0.1639



15.3737, 0.3269, 0.2978



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.



37.4798, 0.3691, 0.2379



31.5565, 0.3859, 0.2245



34.8040, 0.4556, 0.3081



18.1853, 0.3192, 0.3137



12.5615, 0.4351, 0.2170



1.2438, 0.4186, 0.2080

Inverse Universe

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



37.4798, 0.3691, 0.2379



31.5565, 0.3859, 0.2245



80.9201, 0.2511, 0.3542



18.1853, 0.3192, 0.3137



12.5615, 0.4351, 0.2170



1.2438, 0.4186, 0.2080

Previews

White Background



This preview shows how the Yxy color 37.4780, 0.3691, 0.2379 looks on a white background.

Color Contrast Check

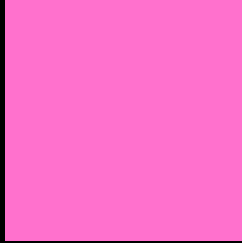
Large Text (above 18pt) WCAG AA × Fail

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 37.4780, 0.3691, 0.2379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

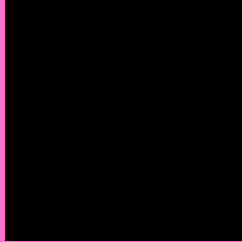
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.4780, 0.3691, 0.2379

Background



This preview shows how black text looks on a background with the Yxy color 37.4780, 0.3691, 0.2379.

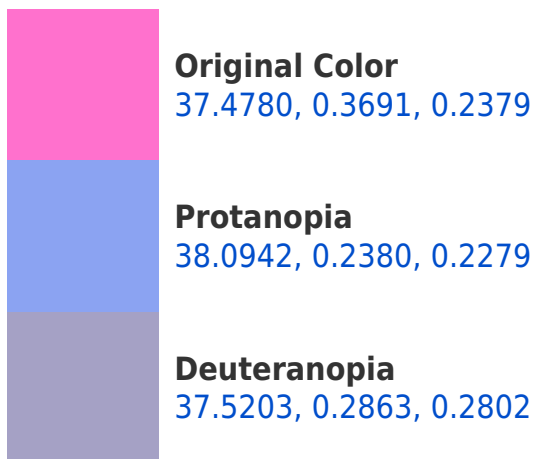


This preview shows how white text looks on a background with the Yxy color 37.4780, 0.3691, 0.2379.

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

37.2298, 0.4368, 0.3188

Trichromacy



Original Color

37.4780, 0.3691, 0.2379



Protanomaly

35.7317, 0.2746, 0.2264



Deuteranomaly

36.1224, 0.3140, 0.2596



Tritanomaly

37.2838, 0.4131, 0.2885

Monochromacy



Original Color

37.4780, 0.3691, 0.2379



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

36.1685, 0.3328, 0.2869

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4780, 0.3691, 0.2379 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, 113, 205)` looks like.

```
.text, #text, p{  
    color:rgb(255, 113, 205)  
}
```

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, 113, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 113, 205) }
```

Border

The CSS property to change the border of an element to Yxy 37.4780, 0.3691, 0.2379 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, 113, 205) }
```

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

```
.border{ border-color:rgb(255, 113, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 113, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 113, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 113, 205);  
box-shadow:4px 4px 4px 4px rgb(255, 113,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4780, 0.3691, 0.2379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 113, 205) }
```

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

```
.background{ background-color: rgb(255,  
113, 205) }
```

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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