

Converting Colors

$Y_{xy}(49.3442, 0.4162, 0.2544)$

Have a look what the booklet for
Yxy(49.3442, 0.4162, 0.2544)
contains.

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Color

Yxy(37.9777, 0.3677, 0.2387)

Conversions

Conversions Part 1

Format	Color
Hex	FF73CE
RGB	255, 115, 206
RGB Percent	100%, 45%, 81%
CMY	0.0001, 0.5489, 0.1923
CMYK	0.00, 0.55, 0.19, 0.00
HSL	321°, 100%, 73%
HSV	321°, 55%, 100%
XYZ	58.5019, 37.9777, 62.6226
YIQ	167.2340, 54.2290, 57.9810

Conversions

Conversions Part 2

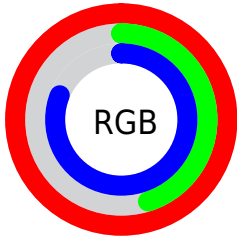
Format	Color
R_{YB}	255, 115, 206
Decimal	16741326
CIE _{Lab}	68.00, 63.23, -21.49
CIE _{LCh}	68, 66.783, 341.230
Yxy	37.9777, 0.3677, 0.2387
Android (android.graphics.Color)	4294931406 (0xFFFF73CE)
YUV	167.2340, 19.1116, 76.9708
Hunter-Lab	61.6260, 61.6053, -17.1106

Details

The Yxy color **37.9777, 0.3677, 0.2387** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.8332, 0.2832, 0.4450**, and the grayscale version is **38.6531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9850, 0.3165, 0.2479**, and **16.7954, 0.3808, 0.2158** is the 20% darker color. If you saturate the color by 10%, you get **32.5231, 0.3823, 0.2263**, and if you desaturate by 10%, it is **45.0685, 0.3544, 0.2537**.

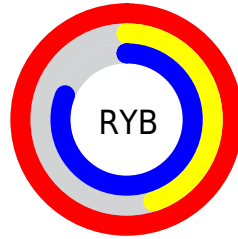
Distribution



Red (100%)

Green (45%)

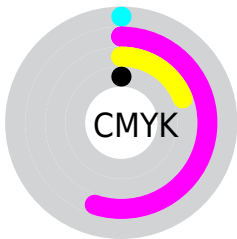
Blue (81%)



Red (100%)

Yellow (45%)

Blue (81%)

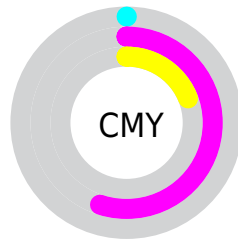


Cyan (0%)

Magenta (55%)

Yellow (19%)

Black (0%)



Cyan (0%)

Magenta (55%)

Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9777, 0.3677, 0.2387 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 37.9777, 0.3677, 0.2387 by changing the saturation by 10% instead.

 37.9777, 0.3677,
0.2387


 37.9777, 0.3677,
0.2387

337.5243, 0.3412,
0.2816


 25.9654, 0.3740,
0.2287


 72.0740, 0.3583,
0.2537

 16.7977, 0.3819,
0.2164


 94.9267, 0.3547,
0.2595

 10.0904, 0.3921,
0.2006


 122.1617, 0.3516,
0.2645

 5.4589, 0.4057,
0.1801

154.1633, 0.3490,
0.2688

 2.5190, 0.4245,
0.1523

191.3160, 0.3466,
0.2726

 0.8861, 0.4521,
0.1137

234.0041, 0.3446,

 0.0000, 0.5260,

0.2759

0.0000

282.6121, 0.3428,
0.2789

■ 0.0000, 0.8331,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.9777, 0.3677,
0.2387

■ 37.9777, 0.3677,
0.2387

■ 32.5231, 0.3823,
0.2263

■ 45.0685, 0.3544,
0.2537

■ 28.5625, 0.3978,
0.2178


■ 53.9110, 0.3425,
0.2703


■ 25.9388, 0.4135,
0.2141

■ 64.6165, 0.3322,
0.2875

■ 24.4565, 0.4290,
0.2156

■ 77.2855, 0.3234,
0.3047

 23.9973, 0.4367,
0.2179

 92.0114, 0.3159,
0.3212

99.9954, 0.3127,
0.3290

Harmonies

Analogous

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



37.9777, 0.2681, 0.2000



37.9777, 0.3677, 0.2387



37.9777, 0.4622, 0.2953

Triad

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



37.9777, 0.3677, 0.2387



37.9777, 0.4194, 0.4925



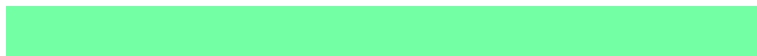
37.9777, 0.1510, 0.2487

Complementary

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



37.9777, 0.3677, 0.2387



77.8332, 0.2832, 0.4450

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.



37.9777, 0.1782, 0.3411



37.9777, 0.3677, 0.2387



37.9777, 0.3308, 0.5134

Square

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



37.9777, 0.3677, 0.2387



37.9777, 0.4861, 0.4302



37.9777, 0.2422, 0.4531



37.9777, 0.1576, 0.1992

Rectangle

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



37.9777, 0.3677, 0.2387



37.9777, 0.4992, 0.3385



37.9777, 0.2422, 0.4531



37.9777, 0.1561, 0.2748

Sweetspot

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



37.9796, 0.3677, 0.2387



75.7882, 0.3243, 0.3028



27.3816, 0.2398, 0.1663



15.6381, 0.3260, 0.2993



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.



37.9796, 0.3677, 0.2387



32.0166, 0.3840, 0.2252



35.3029, 0.4525, 0.3083



18.1860, 0.3192, 0.3137



12.5712, 0.4343, 0.2166



1.2447, 0.4179, 0.2076

Inverse Universe

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



37.9796, 0.3677, 0.2387



32.0166, 0.3840, 0.2252



81.0912, 0.2516, 0.3538



18.1860, 0.3192, 0.3137



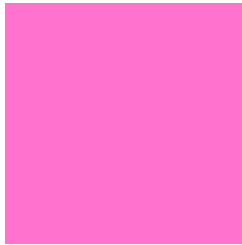
12.5712, 0.4343, 0.2166



1.2447, 0.4179, 0.2076

Previews

White Background



This preview shows how the Yxy color 37.9777, 0.3677, 0.2387 looks on a white background.

Color Contrast Check

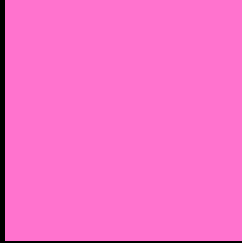
Large Text (above 18pt) WCAG AA × Fail

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 37.9777, 0.3677, 0.2387 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 37.9777, 0.3677, 0.2387

Background



This preview shows how black text looks on a background with the Yxy color 37.9777, 0.3677, 0.2387.

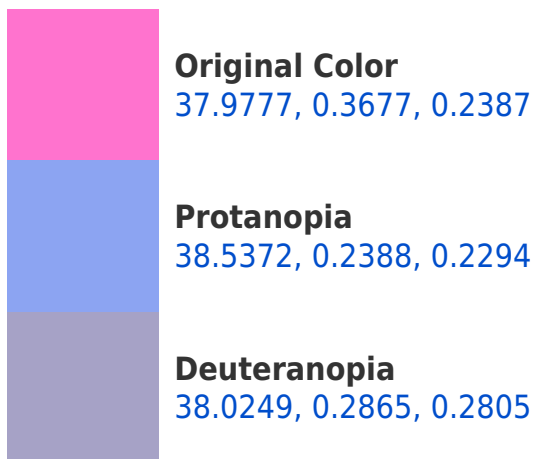


This preview shows how white text looks on a background with the Yxy color 37.9777, 0.3677, 0.2387.

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

37.7858, 0.4346, 0.3198

Trichromacy



Original Color

37.9777, 0.3677, 0.2387



Protanomaly

36.1600, 0.2755, 0.2279



Deuteranomaly

36.4736, 0.3131, 0.2598



Tritanomaly

37.8208, 0.4112, 0.2894

Monochromacy



Original Color

37.9777, 0.3677, 0.2387



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

36.6581, 0.3327, 0.2871

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9777, 0.3677, 0.2387 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, 115, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 115, 206)  
}
```

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, 115, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 115, 206) }
```

Border

The CSS property to change the border of an element to Yxy 37.9777, 0.3677, 0.2387 is called "border". The border property can be set on classes, ids or directly on the HTML element.

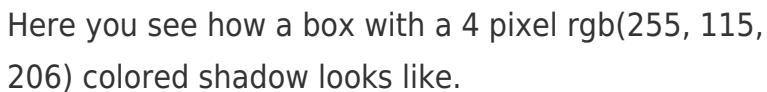
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 115, 206) }
```

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

```
.border{ border-color:rgb(255, 115, 206) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 115, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 115, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 115, 206); box-shadow:4px 4px 4px 4px rgb(255, 115, 206) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9777, 0.3677, 0.2387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 115, 206) }
```

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

```
.background{ background-color: rgb(255,  
115, 206) }
```

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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