

Converting Colors

Yxy(38.5016, 0.3789, 0.2463)

Have a look what the booklet for
Yxy(38.5016, 0.3789, 0.2463)
contains.

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Color

Yxy(37.6450, 0.3756, 0.2451)

Conversions

Conversions Part 1

Format	Color
Hex	FF73C7
RGB	255, 115, 199
RGB Percent	100%, 45%, 78%
CMY	0.0000, 0.5491, 0.2196
CMYK	0.00, 0.55, 0.22, 0.00
HSL	324°, 100%, 73%
HSV	324°, 55%, 100%
XYZ	57.6885, 37.6450, 58.2568
YIQ	166.4360, 56.4760, 55.8040

Conversions

Conversions Part 2

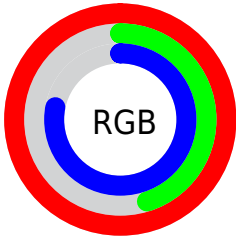
Format	Color
R _Y B	255, 115, 199
Decimal	16741319
CIE Lab	67.76, 62.31, -17.95
CIE LCh	68, 64.846, 343.926
Yxy	37.6450, 0.3756, 0.2451
Android (android.graphics.Color)	4294931399 (0xFFFF73C7)
YUV	166.4360, 16.0541, 77.6706
Hunter-Lab	61.3555, 60.4596, -13.3468

Details

The Yxy color **37.6450, 0.3756, 0.2451** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **78.1031, 0.2800, 0.4358**, and the grayscale version is **38.2486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9850, 0.3165, 0.2479**, and **16.5727, 0.3924, 0.2236** is the 20% darker color. If you saturate the color by 10%, you get **32.1503, 0.3927, 0.2337**, and if you desaturate by 10%, it is **44.7700, 0.3601, 0.2591**.

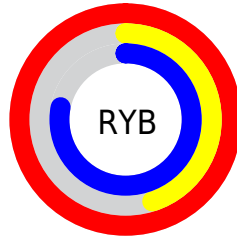
Distribution



Red (100%)

Green (45%)

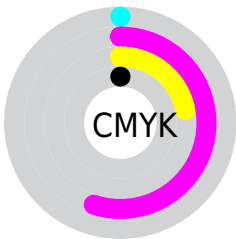
Blue (78%)



Red (100%)

Yellow (45%)

Blue (78%)

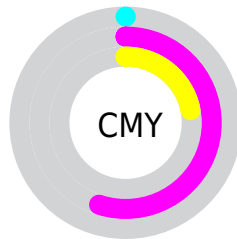


Cyan (0%)

Magenta (55%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (55%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.6450, 0.3756, 0.2451 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 37.6450, 0.3756, 0.2451 by changing the saturation by 10% instead.


 37.6450, 0.3756,
0.2451


 37.6450, 0.3756,
0.2451


336.0947, 0.3447,
0.2853


 25.7073, 0.3831,
0.2356


 71.5637, 0.3645,
0.2593

 16.6048, 0.3926,
0.2238


 94.3134, 0.3603,
0.2648

 9.9531, 0.4051,
0.2086


 121.4360, 0.3567,
0.2694

 5.3679, 0.4220,
0.1885

153.3158, 0.3536,
0.2735

 2.4647, 0.4460,
0.1611

190.3371, 0.3510,
0.2770

 0.8589, 0.4827,
0.1220

232.8844, 0.3486,

 0.0000, 0.5813,

0.2801

0.0000

281.3422, 0.3465,
0.2829

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.6450, 0.3756,
0.2451

■ 37.6450, 0.3756,
0.2451

■ 32.1503, 0.3927,
0.2337

■ 44.7700, 0.3601,
0.2591

■ 28.1630, 0.4110,
0.2262

■ 53.6605, 0.3464,
0.2745

■ 25.5192, 0.4297,
0.2235

■ 64.4217, 0.3347,
0.2906

■ 24.0229, 0.4481,
0.2263

■ 77.1544, 0.3247,
0.3065

■ 23.5603, 0.4573,
0.2293

■ 91.9520, 0.3163,
0.3218

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.



37.6450, 0.2773, 0.2051



37.6450, 0.3756, 0.2451



37.6450, 0.4648, 0.3019

Triad

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



37.6450, 0.3756, 0.2451



37.6450, 0.4105, 0.4931



37.6450, 0.1536, 0.2449

Complementary

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



37.6450, 0.3756, 0.2451



78.1031, 0.2800, 0.4358

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.



37.6450, 0.1774, 0.3315



37.6450, 0.3756, 0.2451



37.6450, 0.3229, 0.5064

Square

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



37.6450, 0.3756, 0.2451



37.6450, 0.4781, 0.4349



37.6450, 0.2372, 0.4406



37.6450, 0.1628, 0.1996

Rectangle

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



37.6450, 0.3756, 0.2451



37.6450, 0.4972, 0.3448



37.6450, 0.2372, 0.4406



37.6450, 0.1576, 0.2691

Sweetspot

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



37.6403, 0.3756, 0.2451



75.6676, 0.3257, 0.3047



27.8737, 0.2435, 0.1677



15.6093, 0.3277, 0.3015



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.



37.6403, 0.3756, 0.2451



31.6453, 0.3946, 0.2327



35.1642, 0.4584, 0.3131



18.1701, 0.3200, 0.3148



12.3411, 0.4544, 0.2277



1.2232, 0.4350, 0.2170

Inverse Universe

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



37.6403, 0.3756, 0.2451



31.6453, 0.3946, 0.2327



81.3757, 0.2496, 0.3481



18.1701, 0.3200, 0.3148



12.3411, 0.4544, 0.2277



1.2232, 0.4350, 0.2170

Previews

White Background



This preview shows how the Yxy color 37.6450, 0.3756, 0.2451 looks on a white background.

Color Contrast Check

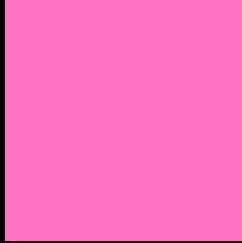
Large Text (above 18pt) WCAG AA × Fail

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 37.6450, 0.3756, 0.2451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

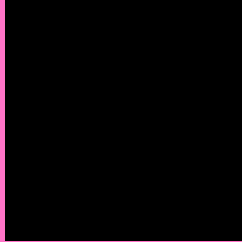
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6450, 0.3756, 0.2451

Background



This preview shows how black text looks on a background with the Yxy color 37.6450, 0.3756, 0.2451.



This preview shows how white text looks on a background with the Yxy color 37.6450, 0.3756, 0.2451.

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

37.6450, 0.3756, 0.2451

Protanopia

38.0642, 0.2456, 0.2370

Deuteranopia

37.6863, 0.2946, 0.2883



Tritanopia

37.6752, 0.4373, 0.3199

Trichromacy



Original Color

37.6450, 0.3756, 0.2451



Protanomaly

35.9686, 0.2833, 0.2364



Deuteranomaly

36.1209, 0.3216, 0.2668



Tritanomaly

37.4626, 0.4151, 0.2916

Monochromacy



Original Color

37.6450, 0.3756, 0.2451



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

36.0876, 0.3348, 0.2893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6450, 0.3756, 0.2451 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, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 115, 199)  
}
```

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, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 115, 199) }
```

Border

The CSS property to change the border of an element to Yxy 37.6450, 0.3756, 0.2451 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, 199) }
```

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

```
.border{ border-color:rgb(255, 115, 199) }
```

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, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 115, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 115, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 115,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6450, 0.3756, 0.2451 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, 199) }
```

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

```
.background{ background-color: rgb(255,  
115, 199) }
```

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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