

Converting Colors

$Y_{xy}(83.7937, 0.4881, 0.2843)$

Have a look what the booklet for
Yxy(83.7937, 0.4881, 0.2843)
contains.

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Color

Yxy(40.3835, 0.3660, 0.2475)

Conversions

Conversions Part 1

Format	Color
Hex	FF7DCE
RGB	255, 125, 206
RGB Percent	100%, 49%, 81%
CMY	0.0000, 0.5098, 0.1920
CMYK	0.00, 0.51, 0.19, 0.00
HSL	323°, 100%, 75%
HSV	323°, 51%, 100%
XYZ	59.7186, 40.3835, 63.0635
YIQ	173.1040, 51.4790, 52.7510

Conversions

Conversions Part 2

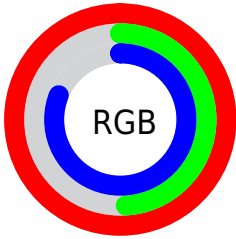
Format	Color
R _Y B	255, 125, 206
Decimal	16743886
CIE Lab	69.74, 58.67, -18.88
CIE LCh	70, 61.633, 342.160
Yxy	40.3835, 0.3660, 0.2475
Android (android.graphics.Color)	4294933966 (0xFFFF7DCE)
YUV	173.1040, 16.2177, 71.8228
Hunter-Lab	63.5480, 56.5346, -14.3544

Details

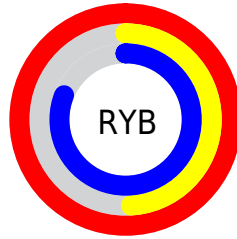
The Yxy color **40.3835, 0.3660, 0.2475** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **78.9342, 0.2829, 0.4306**, and the grayscale version is **41.7418, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5277, 0.3161, 0.2565**, and **18.2590, 0.3799, 0.2270** is the 20% darker color. If you saturate the color by 10%, you get **34.2836, 0.3814, 0.2345**, and if you desaturate by 10%, it is **48.1713, 0.3522, 0.2627**.

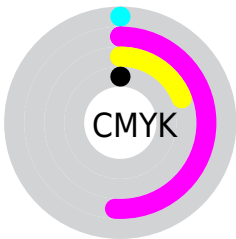
Distribution



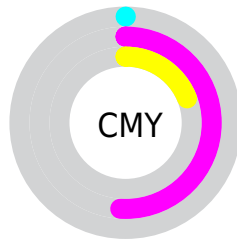
- Red (100%)
- Green (49%)
- Blue (81%)



- Red (100%)
- Yellow (49%)
- Blue (81%)



- Cyan (0%)
- Magenta (51%)
- Yellow (19%)
- Black (0%)





- Cyan (0%)
- Magenta (51%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.3835, 0.3660, 0.2475 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 40.3835, 0.3660, 0.2475 by changing the saturation by 10% instead.


 40.3835, 0.3660,
0.2475


 40.3835, 0.3660,
0.2475


347.7373, 0.3402,
0.2862

 27.8377, 0.3721,
0.2385


 75.7471, 0.3568,
0.2611

 18.2033, 0.3799,
0.2273


 99.3337, 0.3534,
0.2663

 11.0961, 0.3899,
0.2130


 127.3694, 0.3504,
0.2708

 6.1315, 0.4032,
0.1942

160.2385, 0.3478,
0.2747

 2.9252, 0.4220,
0.1686

198.3255, 0.3455,
0.2781

 1.0928, 0.4498,
0.1325

242.0147, 0.3436,

 0.0000, 0.5372,

0.2811

0.0000

291.6905, 0.3418,
0.2838

■ 0.0000, 0.8085,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.3835, 0.3660,
0.2475

■ 40.3835, 0.3660,
0.2475

■ 34.2836, 0.3814,
0.2345

■ 48.1713, 0.3522,
0.2627

■ 29.7379, 0.3980,
0.2248

■ 57.7595, 0.3400,
0.2790

■ 26.5982, 0.4153,
0.2197

■ 69.2553, 0.3296,
0.2956

■ 24.6858, 0.4325,
0.2198

■ 82.7563, 0.3208,
0.3119

■ 23.7618, 0.4475,
0.2239

98.3534, 0.3134,
0.3275

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.



40.3835, 0.2751, 0.2106



40.3835, 0.3660, 0.2475



40.3835, 0.4501, 0.3011

Triad

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



40.3835, 0.3660, 0.2475



40.3835, 0.4104, 0.4807



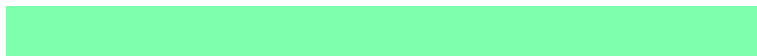
40.3835, 0.1631, 0.2550

Complementary

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



40.3835, 0.3660, 0.2475



78.9342, 0.2829, 0.4306

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.



40.3835, 0.1883, 0.3380



40.3835, 0.3660, 0.2475



40.3835, 0.3288, 0.4939

Square

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



40.3835, 0.3660, 0.2475



40.3835, 0.4712, 0.4269



40.3835, 0.2473, 0.4370



40.3835, 0.1699, 0.2092

Rectangle

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



40.3835, 0.3660, 0.2475



40.3835, 0.4828, 0.3418



40.3835, 0.2473, 0.4370



40.3835, 0.1678, 0.2787

Sweetspot

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



40.3848, 0.3660, 0.2475



77.0836, 0.3242, 0.3055



30.7328, 0.2480, 0.1791



15.8907, 0.3260, 0.3020



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.



40.3848, 0.3660, 0.2475



34.2737, 0.3814, 0.2345



37.8897, 0.4399, 0.3116



18.1775, 0.3196, 0.3143



12.4460, 0.4449, 0.2224



1.2331, 0.4269, 0.2125

Inverse Universe

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



40.3848, 0.3660, 0.2475



34.2737, 0.3814, 0.2345



82.0333, 0.2537, 0.3491



18.1775, 0.3196, 0.3143



12.4460, 0.4449, 0.2224



1.2331, 0.4269, 0.2125

Previews

White Background



This preview shows how the Yxy color 40.3835, 0.3660, 0.2475 looks on a white background.

Color Contrast Check

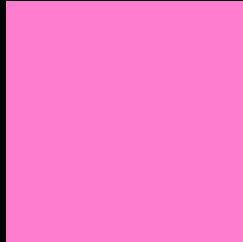
Large Text (above 18pt) WCAG AA × Fail

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 40.3835, 0.3660, 0.2475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

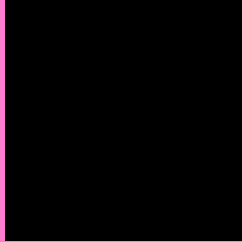
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.3835, 0.3660, 0.2475

Background



This preview shows how black text looks on a background with the Yxy color 40.3835, 0.3660, 0.2475.

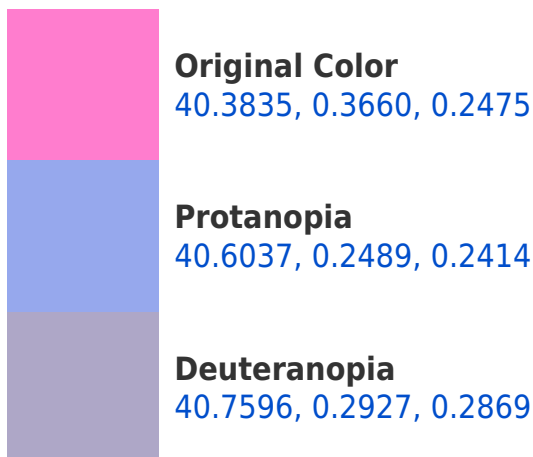


This preview shows how white text looks on a background with the Yxy color 40.3835, 0.3660, 0.2475.

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

40.1692, 0.4219, 0.3176

Trichromacy



Original Color

40.3835, 0.3660, 0.2475



Protanomaly

38.6388, 0.2832, 0.2395



Deuteranomaly

39.4173, 0.3165, 0.2682



Tritanomaly

40.1489, 0.4014, 0.2912

Monochromacy



Original Color

40.3835, 0.3660, 0.2475



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

39.9762, 0.3317, 0.2929

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3835, 0.3660, 0.2475 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, 125, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 125, 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, 125, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 125, 206) }
```

Border

The CSS property to change the border of an element to Yxy 40.3835, 0.3660, 0.2475 is called "border". The border property can be set on classes, ids or directly on the HTML element.

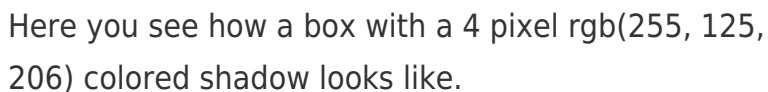
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 125, 206) }
```

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

```
.border{ border-color:rgb(255, 125, 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, 125, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 125, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 125, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 125,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3835, 0.3660, 0.2475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 125, 206) }
```

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

```
.background{ background-color: rgb(255,  
125, 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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