

Converting Colors

$Y_{xy}(37.6273, 0.3782, 0.2642)$

Have a look what the booklet for
Yxy(37.6273, 0.3782, 0.2642)
contains.

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Color

Yxy(37.6249, 0.3783, 0.2643)

Conversions

Conversions Part 1

Format	Color
Hex	F57DBA
RGB	245, 125, 186
RGB Percent	96%, 49%, 73%
CMY	0.0392, 0.5098, 0.2706
CMYK	0.00, 0.49, 0.24, 0.04
HSL	330°, 86%, 73%
HSV	330°, 49%, 96%
XYZ	53.8536, 37.6249, 50.8783
YIQ	167.8340, 51.9390, 44.4110

Conversions

Conversions Part 2

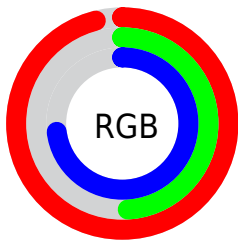
Format	Color
R _{YB}	245, 125, 186
Decimal	16088506
CIE Lab	67.74, 52.78, -10.81
CIE LCh	68, 53.875, 348.421
Yxy	37.6249, 0.3783, 0.2643
Android (android.graphics.Color)	4294278586 (0xFFF57DBA)
YUV	167.8340, 8.9558, 67.6746
Hunter-Lab	61.3391, 49.3731, -6.2412

Details

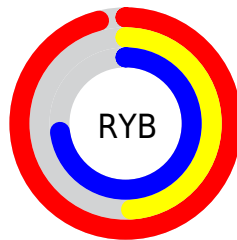
The Yxy color **37.6249, 0.3783, 0.2643** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **73.1284, 0.2769, 0.4069**, and the grayscale version is **39.0097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7186, 0.3260, 0.2683**, and **16.6390, 0.3969, 0.2470** is the 20% darker color. If you saturate the color by 10%, you get **31.6787, 0.3989, 0.2533**, and if you desaturate by 10%, it is **45.1476, 0.3602, 0.2771**.

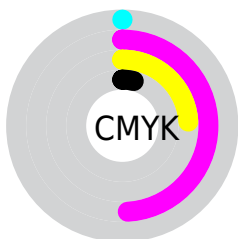
Distribution



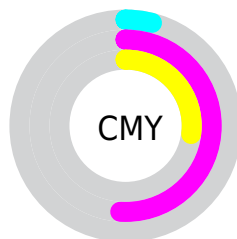
- Red (96%)
- Green (49%)
- Blue (73%)



- Red (96%)
- Yellow (49%)
- Blue (73%)



- Cyan (0%)
- Magenta (49%)
- Yellow (24%)
- Black (4%)





- Cyan (4%)
- Magenta (51%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6249, 0.3783, 0.2643 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 37.6249, 0.3783, 0.2643 by changing the saturation by 10% instead.


 37.6249, 0.3783,
0.2643


 37.6249, 0.3783,
0.2643


336.0081, 0.3453,
0.2961

 25.6917, 0.3866,
0.2566


 71.5328, 0.3662,
0.2757

 16.5931, 0.3973,
0.2467


 94.2764, 0.3617,
0.2801

 9.9448, 0.4115,
0.2339

 121.3921, 0.3579,
0.2837

 5.3624, 0.4313,
0.2164

153.2645, 0.3547,
0.2869

 2.4614, 0.4608,
0.1915

190.2779, 0.3518,
0.2897

 0.8572, 0.5085,
0.1536

232.8167, 0.3494,

 0.0000, 0.6883,

0.2921

0.0000

281.2653, 0.3472,
0.2942

■ 0.0000, 0.0000,
0.0000

■ 37.6249, 0.3783,
0.2643

■ 37.6249, 0.3783,
0.2643

■ 31.6787, 0.3989,
0.2533

■ 45.1476, 0.3602,
0.2771

■ 27.1879, 0.4217,
0.2452

■ 54.3451, 0.3448,
0.2908

■ 24.0226, 0.4459,
0.2415

■ 65.3144, 0.3317,
0.3044

■ 22.0267, 0.4703,
0.2430

■ 78.1430, 0.3209,
0.3177

■ 20.9678, 0.4937,
0.2498

■ 92.9131, 0.3119,
0.3302

■ 20.8820, 0.4961,
0.2507

■ 98.1531, 0.3066,
0.3290

Harmonies

Analogous

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



37.6249, 0.2954, 0.2262



37.6249, 0.3783, 0.2643



37.6249, 0.4473, 0.3163

Triad

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



37.6249, 0.3783, 0.2643



37.6249, 0.3886, 0.4726



37.6249, 0.1749, 0.2516

Complementary

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



37.6249, 0.3783, 0.2643



73.1284, 0.2769, 0.4069

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.



37.6249, 0.1925, 0.3203



37.6249, 0.3783, 0.2643



37.6249, 0.3128, 0.4695

Square

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



37.6249, 0.3783, 0.2643



37.6249, 0.4483, 0.4317



37.6249, 0.2411, 0.4076



37.6249, 0.1870, 0.2155

Rectangle

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



37.6249, 0.3783, 0.2643



37.6249, 0.4700, 0.3549



37.6249, 0.2411, 0.4076



37.6249, 0.1774, 0.2710

Sweetspot

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



37.6267, 0.3783, 0.2643



76.8243, 0.3272, 0.3097



31.3290, 0.2630, 0.1901



15.8282, 0.3296, 0.3069



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.



37.6267, 0.3783, 0.2643



34.6089, 0.3992, 0.2531



35.6140, 0.4487, 0.3273



16.6231, 0.3214, 0.3170



11.2772, 0.4925, 0.2487



1.0119, 0.4652, 0.2336

Inverse Universe

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



37.6267, 0.3783, 0.2643



34.6089, 0.3992, 0.2531



76.1386, 0.2492, 0.3312



16.6231, 0.3214, 0.3170



11.2772, 0.4925, 0.2487



1.0119, 0.4652, 0.2336

Previews

White Background



This preview shows how the Yxy color 37.6249, 0.3783, 0.2643 looks on a white background.

Color Contrast Check

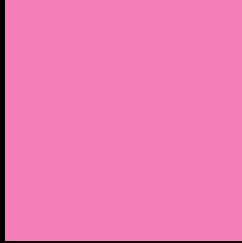
Large Text (above 18pt) WCAG AA × Fail

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 37.6249, 0.3783, 0.2643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

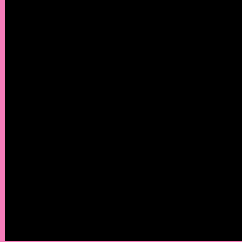
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6249, 0.3783, 0.2643

Background



This preview shows how black text looks on a background with the Yxy color 37.6249, 0.3783, 0.2643.



This preview shows how white text looks on a background with the Yxy color 37.6249, 0.3783, 0.2643.

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

37.6249, 0.3783, 0.2643

Protanopia

38.0767, 0.2660, 0.2644

Deuteranopia

37.8990, 0.3093, 0.3031



Tritanopia

37.7341, 0.4212, 0.3194

Trichromacy



Original Color

37.6249, 0.3783, 0.2643



Protanomaly

36.5636, 0.2999, 0.2615



Deuteranomaly

36.8366, 0.3327, 0.2860



Tritanomaly

37.6130, 0.4048, 0.2986

Monochromacy



Original Color

37.6249, 0.3783, 0.2643



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

37.2874, 0.3350, 0.2993

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6249, 0.3783, 0.2643 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(245, 125, 186)` looks like.

```
.text, #text, p{  
    color:rgb(245, 125, 186)  
}
```

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(245, 125, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 125, 186) }
```

Border

The CSS property to change the border of an element to Yxy 37.6249, 0.3783, 0.2643 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(245, 125, 186) }
```

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

```
.border{ border-color:rgb(245, 125, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 125, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 125, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 125, 186);  
box-shadow:4px 4px 4px 4px rgb(245, 125,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6249, 0.3783, 0.2643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 125, 186) }
```

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

```
.background{ background-color: rgb(245,  
125, 186) }
```

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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