

Converting Colors

$Y_{xy}(37.8220, 0.3931, 0.2765)$

Have a look what the booklet for
Yxy(37.8220, 0.3931, 0.2765)
contains.

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Color

Yxy(37.9733, 0.3937, 0.2773)

Conversions

Conversions Part 1

Format	Color
Hex	F87EAF
RGB	248, 126, 175
RGB Percent	97%, 49%, 69%
CMY	0.0274, 0.5059, 0.3137
CMYK	0.00, 0.49, 0.29, 0.03
HSL	336°, 90%, 73%
HSV	336°, 49%, 97%
XYZ	53.9130, 37.9733, 45.0531
YIQ	168.0640, 56.9830, 41.1030

Conversions

Conversions Part 2

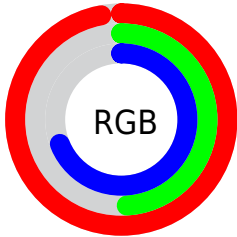
Format	Color
R_{YB}	248, 126, 175
Decimal	16285359
CIE _{Lab}	68.00, 51.82, -4.20
CIE _{LCh}	68, 51.991, 355.361
Yxy	37.9733, 0.3937, 0.2773
Android (android.graphics.Color)	4294475439 (0xFFFF87EAF)
YUV	168.0640, 3.4194, 70.1039
Hunter-Lab	61.6225, 48.3290, -0.2120

Details

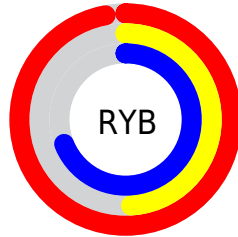
The Yxy color **37.9733, 0.3937, 0.2773** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **75.6979, 0.2705, 0.3901**, and the grayscale version is **39.1540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.4291, 0.3354, 0.2805**, and **16.8836, 0.4177, 0.2624** is the 20% darker color. If you saturate the color by 10%, you get **31.8482, 0.4200, 0.2688**, and if you desaturate by 10%, it is **45.7381, 0.3710, 0.2875**.

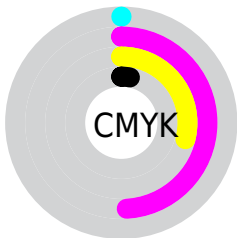
Distribution



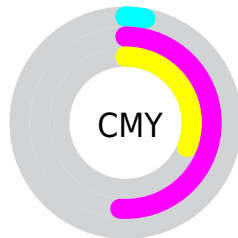
- Red (97%)
- Green (49%)
- Blue (69%)



- Red (97%)
- Yellow (49%)
- Blue (69%)



- Cyan (0%)
- Magenta (49%)
- Yellow (29%)
- Black (3%)





- Cyan (3%)
- Magenta (51%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9733, 0.3937, 0.2773 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 37.9733, 0.3937, 0.2773 by changing the saturation by 10% instead.


 37.9733, 0.3937,
0.2773


 37.9733, 0.3937,
0.2773


337.5054, 0.3523,
0.3033


 25.9620, 0.4043,
0.2708

 72.0672, 0.3785,
0.2868

 16.7952, 0.4180,
0.2624


 94.9186, 0.3728,
0.2903

 10.0886, 0.4364,
0.2512


 122.1521, 0.3680,
0.2933

 5.4577, 0.4625,
0.2357

154.1521, 0.3640,
0.2959

 2.5182, 0.5018,
0.2129

191.3031, 0.3604,
0.2981

 0.8857, 0.5669,
0.1764

233.9893, 0.3574,

 0.0000, 0.9529,

0.3001

0.0000

282.5953, 0.3547,
0.3018

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

37.9733, 0.3937,
0.2773

37.9733, 0.3937,
0.2773

31.8482, 0.4200,
0.2688

45.7381, 0.3710,
0.2875

27.2366, 0.4492,
0.2633

55.2451, 0.3518,
0.2983

24.0032, 0.4802,
0.2620

66.5951, 0.3358,
0.3093

21.9856, 0.5109,
0.2660

79.8793, 0.3227,
0.3198

■ 20.9373, 0.5394,
0.2749

■ 95.1832, 0.3119,
0.3298

■ 20.8708, 0.5416,
0.2757

■ 98.6977, 0.3084,
0.3290

Harmonies

Analogous

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



37.9733, 0.3142, 0.2364



37.9733, 0.3937, 0.2773



37.9733, 0.4523, 0.3300

Triad

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



37.9733, 0.3937, 0.2773



37.9733, 0.3703, 0.4714



37.9733, 0.1794, 0.2437

Complementary

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



37.9733, 0.3937, 0.2773



75.6979, 0.2705, 0.3901

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.



37.9733, 0.1899, 0.3032



37.9733, 0.3937, 0.2773



37.9733, 0.2962, 0.4544

Square

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



37.9733, 0.3937, 0.2773



37.9733, 0.4330, 0.4401



37.9733, 0.2305, 0.3854



37.9733, 0.1976, 0.2154

Rectangle

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



37.9733, 0.3937, 0.2773



37.9733, 0.4666, 0.3680



37.9733, 0.2305, 0.3854



37.9733, 0.1797, 0.2601

Sweetspot

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



37.9752, 0.3937, 0.2773



76.5898, 0.3300, 0.3137



33.5928, 0.2731, 0.1932



15.7719, 0.3329, 0.3115



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.



37.9752, 0.3937, 0.2773



33.9881, 0.4196, 0.2689



39.1196, 0.4461, 0.3401



17.3408, 0.3231, 0.3195



11.2996, 0.5375, 0.2734



1.0669, 0.5060, 0.2561

Inverse Universe

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



37.9752, 0.3937, 0.2773



33.9881, 0.4196, 0.2689



72.2692, 0.2458, 0.3168



17.3408, 0.3231, 0.3195



11.2996, 0.5375, 0.2734



1.0669, 0.5060, 0.2561

Previews

White Background



This preview shows how the Yxy color 37.9733, 0.3937, 0.2773 looks on a white background.

Color Contrast Check

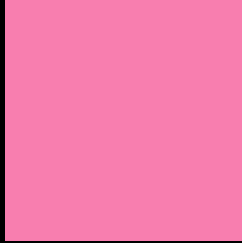
Large Text (above 18pt) WCAG AA × Fail

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 37.9733, 0.3937, 0.2773 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 37.9733, 0.3937, 0.2773

Background



This preview shows how black text looks on a background with the Yxy color 37.9733, 0.3937, 0.2773.



This preview shows how white text looks on a background with the Yxy color 37.9733, 0.3937, 0.2773.

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

37.9733, 0.3937, 0.2773

Protanopia

38.4047, 0.2801, 0.2826

Deuteranopia

38.1781, 0.3247, 0.3182



Tritanopia

37.8680, 0.4272, 0.3185

Trichromacy



Original Color

37.9733, 0.3937, 0.2773

Protanomaly

36.9273, 0.3160, 0.2789

Deuteranomaly

37.0992, 0.3488, 0.3001

Tritanomaly

37.8912, 0.4150, 0.3035

Monochromacy



Original Color

37.9733, 0.3937, 0.2773

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

37.5931, 0.3397, 0.3058

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9733, 0.3937, 0.2773 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(248, 126, 175)` looks like.

```
.text, #text, p{  
    color:rgb(248, 126, 175)  
}
```

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(248, 126, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 126, 175) }
```

Border

The CSS property to change the border of an element to Yxy 37.9733, 0.3937, 0.2773 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(248, 126, 175) }
```

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

```
.border{ border-color:rgb(248, 126, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 126, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 126, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 126, 175);  
box-shadow:4px 4px 4px 4px rgb(248, 126,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9733, 0.3937, 0.2773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 126, 175) }
```

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

```
.background{ background-color: rgb(248,  
126, 175) }
```

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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