

Converting Colors

Yxy(33.8401, 0.4047, 0.2609)

Have a look what the booklet for
Yxy(33.8401, 0.4047, 0.2609)
contains.

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Color

Yxy(33.8344, 0.4049, 0.2610)

Conversions

Conversions Part 1

Format	Color
Hex	FB6AAD
RGB	251, 106, 173
RGB Percent	98%, 42%, 68%
CMY	0.0156, 0.5844, 0.3215
CMYK	0.00, 0.58, 0.31, 0.02
HSL	332°, 95%, 70%
HSV	332°, 58%, 98%
XYZ	52.4887, 33.8344, 43.3106
YIQ	156.9930, 64.9130, 51.5770

Conversions

Conversions Part 2

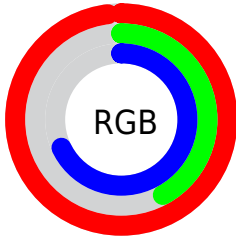
Format	Color
R _{YB}	251, 106, 173
Decimal	16476845
CIE Lab	64.83, 61.81, -7.72
CIE LCh	65, 62.287, 352.877
Yxy	33.8344, 0.4049, 0.2610
Android (android.graphics.Color)	4294666925 (0xFFFB6AAD)
YUV	156.9930, 7.8915, 82.4441
Hunter-Lab	58.1673, 59.2809, -3.4294

Details

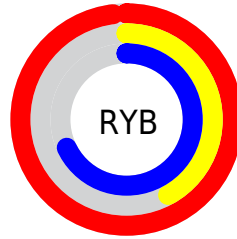
The Yxy color **33.8344, 0.4049, 0.2610** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **75.5327, 0.2698, 0.4151**, and the grayscale version is **33.6545, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.0558, 0.3393, 0.2634**, and **14.4899, 0.4328, 0.2417** is the 20% darker color. If you saturate the color by 10%, you get **28.9021, 0.4302, 0.2536**, and if you desaturate by 10%, it is **40.3365, 0.3822, 0.2712**.

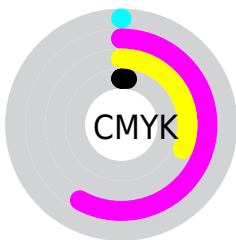
Distribution



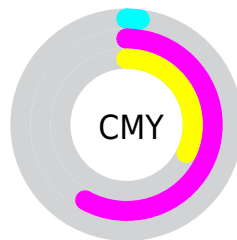
- Red (98%)
- Green (42%)
- Blue (68%)



- Red (98%)
- Yellow (42%)
- Blue (68%)



- Cyan (0%)
- Magenta (58%)
- Yellow (31%)
- Black (2%)




- Cyan (2%)
- Magenta (58%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8344, 0.4049, 0.2610 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 33.8344, 0.4049, 0.2610 by changing the saturation by 10% instead.


 33.8344, 0.4049,
0.2610


 33.8344, 0.4049,
0.2610


319.3930, 0.3574,
0.2952


 22.7664, 0.4172,
0.2524


 65.6761, 0.3873,
0.2735

 14.4211, 0.4331,
0.2415


 87.2185, 0.3808,
0.2781

 8.4141, 0.4546,
0.2270

 113.0213, 0.3753,
0.2821

 4.3611, 0.4852,
0.2069

 143.4687, 0.3707,
0.2855

 1.8775, 0.5314,
0.1778

178.9452, 0.3667,
0.2884

 0.5348, 0.6139,
0.1239

219.8351, 0.3632,

 0.0000, 1.0000,

0.2910

0.0000

266.5229, 0.3601,
0.2932

0.0000, 0.0000,
0.0000

33.8344, 0.4049,
0.2610

33.8344, 0.4049,
0.2610

28.9021, 0.4302,
0.2536

40.3365, 0.3822,
0.2712

25.3966, 0.4573,
0.2504

48.5246, 0.3625,
0.2831

23.1571, 0.4846,
0.2523

58.5099, 0.3458,
0.2956

21.9672, 0.5106,
0.2597

70.3925, 0.3318,
0.3081

21.7753, 0.5162,
0.2617

84.2649, 0.3203,
0.3201

99.1909, 0.3108,
0.3299

99.2538, 0.3103,
0.3290

Harmonies

Analogous

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



33.8344, 0.3051, 0.2152



33.8344, 0.4049, 0.2610



33.8344, 0.4820, 0.3209

Triad

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



33.8344, 0.4049, 0.2610



33.8344, 0.3853, 0.5032



33.8344, 0.1537, 0.2277

Complementary

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



33.8344, 0.4049, 0.2610



75.5327, 0.2698, 0.4151

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.



33.8344, 0.1671, 0.3017



33.8344, 0.4049, 0.2610



33.8344, 0.2962, 0.4943

Square

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



33.8344, 0.4049, 0.2610



33.8344, 0.4608, 0.4540



33.8344, 0.2162, 0.4087



33.8344, 0.1721, 0.1937

Rectangle

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



33.8344, 0.4049, 0.2610



33.8344, 0.5015, 0.3647



33.8344, 0.2162, 0.4087



33.8344, 0.1544, 0.2476

Sweetspot

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



33.8361, 0.4049, 0.2610



73.9806, 0.3309, 0.3090



27.3797, 0.2573, 0.1670



15.2633, 0.3334, 0.3065



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.



33.8361, 0.4049, 0.2610



29.4105, 0.4336, 0.2529



32.8829, 0.4885, 0.3342



17.3587, 0.3221, 0.3181



11.4722, 0.5123, 0.2596



1.0837, 0.4835, 0.2437

Inverse Universe

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



33.8361, 0.4049, 0.2610



29.4105, 0.4336, 0.2529



76.0566, 0.2394, 0.3231



17.3587, 0.3221, 0.3181



11.4722, 0.5123, 0.2596



1.0837, 0.4835, 0.2437

Previews

White Background



This preview shows how the Yxy color 33.8344, 0.4049, 0.2610 looks on a white background.

Color Contrast Check

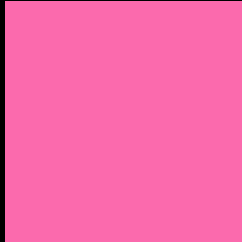
Large Text (above 18pt) WCAG AA × Fail

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 33.8344, 0.4049, 0.2610 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 33.8344, 0.4049, 0.2610

Background



This preview shows how black text looks on a background with the Yxy color 33.8344, 0.4049, 0.2610.



This preview shows how white text looks on a background with the Yxy color 33.8344, 0.4049, 0.2610.

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

33.8344, 0.4049, 0.2610

Protanopia

34.1625, 0.2619, 0.2591

Deuteranopia

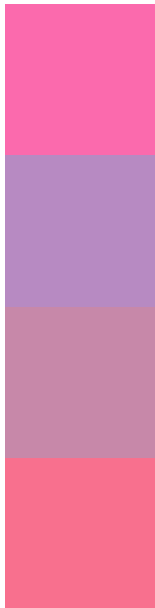
33.9707, 0.3166, 0.3105



Tritanopia

33.7202, 0.4595, 0.3212

Trichromacy



Original Color

33.8344, 0.4049, 0.2610

Protanomaly

32.1393, 0.3051, 0.2557

Deuteranomaly

32.6150, 0.3470, 0.2864

Tritanomaly

33.4978, 0.4396, 0.2982

Monochromacy



Original Color

33.8344, 0.4049, 0.2610

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

31.8977, 0.3445, 0.2955

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8344, 0.4049, 0.2610 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(251, 106, 173)` looks like.

```
.text, #text, p{  
    color:rgb(251, 106, 173)  
}
```

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(251, 106, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 106, 173) }
```

Border

The CSS property to change the border of an element to Yxy 33.8344, 0.4049, 0.2610 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(251, 106, 173) }
```

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

```
.border{ border-color:rgb(251, 106, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 106, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 106, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 106, 173);  
box-shadow:4px 4px 4px 4px rgb(251, 106,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8344, 0.4049, 0.2610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 106, 173) }
```

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

```
.background{ background-color: rgb(251,  
106, 173) }
```

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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