

Converting Colors

$Y_{xy}(40.0317, 0.3919, 0.2875)$

Have a look what the booklet for
Yxy(40.0317, 0.3919, 0.2875)
contains.

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Color

Yxy(40.1581, 0.3912, 0.2874)

Conversions

Conversions Part 1

Format	Color
Hex	F787AE
RGB	247, 135, 174
RGB Percent	97%, 53%, 68%
CMY	0.0314, 0.4706, 0.3177
CMYK	0.00, 0.45, 0.30, 0.03
HSL	339°, 88%, 75%
HSV	339°, 45%, 97%
XYZ	54.6620, 40.1581, 44.9089
YIQ	172.9340, 54.2330, 35.8730

Conversions

Conversions Part 2

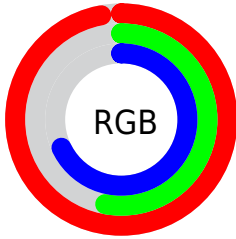
Format	Color
RYB	247, 135, 174
Decimal	16222126
CIELab	69.58, 46.91, -1.32
CIElCh	70, 46.932, 358.389
Yxy	40.1581, 0.3912, 0.2874
Android (android.graphics.Color)	4294412206 (0xFFFF787AE)
YUV	172.9340, 0.5255, 64.9559
Hunter-Lab	63.3704, 43.0720, 2.3421

Details

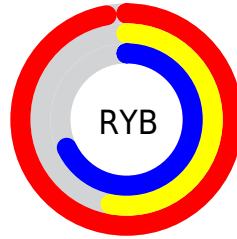
The Yxy color **40.1581, 0.3912, 0.2874** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **76.2307, 0.2700, 0.3766**, and the grayscale version is **41.7314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.7441, 0.3353, 0.2896**, and **18.1311, 0.4140, 0.2752** is the 20% darker color. If you saturate the color by 10%, you get **33.4575, 0.4188, 0.2795**, and if you desaturate by 10%, it is **48.5365, 0.3677, 0.2965**.

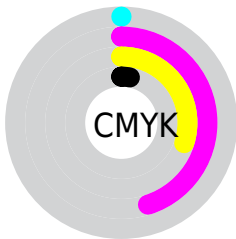
Distribution



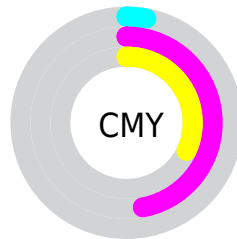
- Red (97%)
- Green (53%)
- Blue (68%)



- Red (97%)
- Yellow (53%)
- Blue (68%)



- Cyan (0%)
- Magenta (45%)
- Yellow (30%)
- Black (3%)





- Cyan (3%)
- Magenta (47%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1581, 0.3912, 0.2874 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 40.1581, 0.3912, 0.2874 by changing the saturation by 10% instead.


 40.1581, 0.3912,
0.2874


 40.1581, 0.3912,
0.2874


346.7895, 0.3512,
0.3085


 27.6618, 0.4014,
0.2821


 75.4042, 0.3765,
0.2951

 18.0709, 0.4146,
0.2752


 98.9228, 0.3710,
0.2980

 11.0009, 0.4323,
0.2660


 126.8844, 0.3664,
0.3004

 6.0674, 0.4573,
0.2531

159.6732, 0.3625,
0.3025

 2.8861, 0.4949,
0.2338

197.6737, 0.3591,
0.3043

 1.0726, 0.5570,
0.2023

241.2704, 0.3561,

 0.0000, 0.9642,

0.3059

0.0000

290.8475, 0.3535,
0.3073

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

40.1581, 0.3912,
0.2874

40.1581, 0.3912,
0.2874

33.4575, 0.4188,
0.2795

48.5365, 0.3677,
0.2965

28.3141, 0.4501,
0.2739

58.6908, 0.3481,
0.3061

24.6004, 0.4839,
0.2720

70.7184, 0.3319,
0.3155

22.1657, 0.5181,
0.2748

84.7077, 0.3187,
0.3244

■ 20.8248, 0.5496,
0.2827

■ 98.4831, 0.3081,
0.3295

■ 20.4465, 0.5630,
0.2875

■ 98.5150, 0.3078,
0.3290

Harmonies

Analogous

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



40.1581, 0.3216, 0.2486



40.1581, 0.3912, 0.2874



40.1581, 0.4396, 0.3364

Triad

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



40.1581, 0.3912, 0.2874



40.1581, 0.3591, 0.4556



40.1581, 0.1928, 0.2495

Complementary

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



40.1581, 0.3912, 0.2874



76.2307, 0.2700, 0.3766

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.



40.1581, 0.2001, 0.3006



40.1581, 0.3912, 0.2874



40.1581, 0.2925, 0.4341

Square

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



40.1581, 0.3912, 0.2874



40.1581, 0.4166, 0.4336



40.1581, 0.2348, 0.3715



40.1581, 0.2121, 0.2256

Rectangle

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



40.1581, 0.3912, 0.2874



40.1581, 0.4499, 0.3711



40.1581, 0.2348, 0.3715



40.1581, 0.1922, 0.2636

Sweetspot

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



40.1601, 0.3912, 0.2874



77.8904, 0.3300, 0.3167



37.4268, 0.2835, 0.2064



16.0231, 0.3332, 0.3147



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.



40.1601, 0.3912, 0.2874



36.7776, 0.4151, 0.2804



43.9178, 0.4266, 0.3474



16.5778, 0.3239, 0.3208



10.8372, 0.5586, 0.2851



0.9711, 0.5238, 0.2659

Inverse Universe

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



40.1601, 0.3912, 0.2874



36.7776, 0.4151, 0.2804



68.5747, 0.2483, 0.3088



16.5778, 0.3239, 0.3208



10.8372, 0.5586, 0.2851



0.9711, 0.5238, 0.2659

Previews

White Background



This preview shows how the Yxy color 40.1581, 0.3912, 0.2874 looks on a white background.

Color Contrast Check

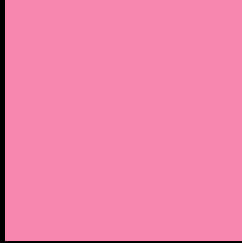
Large Text (above 18pt) WCAG AA × Fail

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 40.1581, 0.3912, 0.2874 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 40.1581, 0.3912, 0.2874

Background



This preview shows how black text looks on a background with the Yxy color 40.1581, 0.3912, 0.2874.



This preview shows how white text looks on a background with the Yxy color 40.1581, 0.3912, 0.2874.

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

40.1581, 0.3912, 0.2874

Protanopia

40.4231, 0.2891, 0.2939

Deuteranopia

40.3396, 0.3299, 0.3237



Tritanopia

40.0797, 0.4148, 0.3173

Trichromacy



Original Color

40.1581, 0.3912, 0.2874



Protanomaly

39.3039, 0.3221, 0.2908



Deuteranomaly

39.6068, 0.3515, 0.3080



Tritanomaly

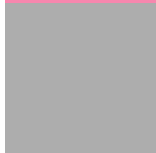
40.2730, 0.4061, 0.3065

Monochromacy



Original Color

40.1581, 0.3912, 0.2874



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

40.0928, 0.3397, 0.3112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1581, 0.3912, 0.2874 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(247, 135, 174)` looks like.

```
.text, #text, p{  
    color:rgb(247, 135, 174)  
}
```

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(247, 135, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 135, 174) }
```

Border

The CSS property to change the border of an element to Yxy 40.1581, 0.3912, 0.2874 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(247, 135, 174) }
```

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

```
.border{ border-color:rgb(247, 135, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 135, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 135, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 135, 174);  
box-shadow:4px 4px 4px 4px rgb(247, 135,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1581, 0.3912, 0.2874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 135, 174) }
```

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

```
.background{ background-color: rgb(247,  
135, 174) }
```

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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