

Converting Colors

$Y_{xy}(45.8443, 0.3813, 0.3057)$

Have a look what the booklet for
Yxy(45.8443, 0.3813, 0.3057)
contains.

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Color

Yxy(45.6583, 0.3814, 0.3052)

Conversions

Conversions Part 1

Format	Color
Hex	F59AB0
RGB	245, 154, 176
RGB Percent	96%, 60%, 69%
CMY	0.0391, 0.3961, 0.3098
CMYK	0.00, 0.37, 0.28, 0.04
HSL	345°, 82%, 78%
HSV	345°, 37%, 96%
XYZ	57.0579, 45.6583, 46.8850
YIQ	183.7170, 47.1740, 26.1340

Conversions

Conversions Part 2

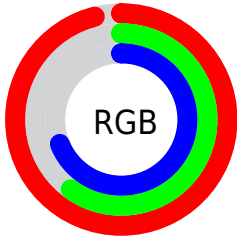
Format	Color
R _Y B	245, 154, 176
Decimal	16095920
CIE Lab	73.32, 36.78, 2.98
CIE LCh	73, 36.896, 4.630
Yxy	45.6583, 0.3814, 0.3052
Android (android.graphics.Color)	4294286000 (0xFFFF59AB0)
YUV	183.7170, -3.8045, 53.7452
Hunter-Lab	67.5709, 32.4790, 6.1605

Details

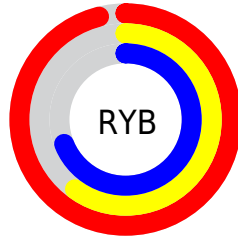
The Yxy color **45.6583, 0.3814, 0.3052** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **77.5227, 0.2714, 0.3548**, and the grayscale version is **47.7716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6871, 0.3309, 0.3060**, and **21.3274, 0.4010, 0.2971** is the 20% darker color. If you saturate the color by 10%, you get **37.6960, 0.4102, 0.2991**, and if you desaturate by 10%, it is **55.3763, 0.3575, 0.3118**.

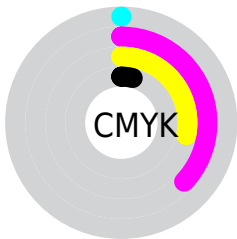
Distribution



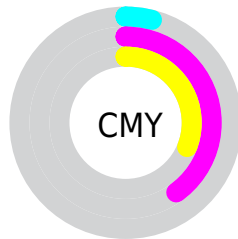
- Red (96%)
- Green (60%)
- Blue (69%)



- Red (96%)
- Yellow (60%)
- Blue (69%)



- Cyan (0%)
- Magenta (37%)
- Yellow (28%)
- Black (4%)





- Cyan (4%)
- Magenta (40%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6583, 0.3814, 0.3052 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 45.6583, 0.3814, 0.3052 by changing the saturation by 10% instead.


 45.6583, 0.3814,
0.3052


 45.6583, 0.3814,
0.3052


369.4332, 0.3468,
0.3174

 31.9763, 0.3901,
0.3021


 83.7074, 0.3688,
0.3097

 21.3434, 0.4012,
0.2980


 108.8432, 0.3641,
0.3114

 13.3752, 0.4160,
0.2925


138.5658, 0.3601,
0.3128

 7.6874, 0.4367,
0.2847

173.2594, 0.3567,
0.3140

 3.8956, 0.4675,
0.2729

213.3086, 0.3537,
0.3150

 1.6153, 0.5174,
0.2530

259.0977, 0.3511,

 0.3679, 0.7014,

0.3159

0.1961

311.0111, 0.3489,
0.3167

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

45.6583, 0.3814,
0.3052

45.6583, 0.3814,
0.3052

37.6960, 0.4102,
0.2991

55.3763, 0.3575,
0.3118

31.3777, 0.4440,
0.2941

66.9399, 0.3380,
0.3184

26.5889, 0.4820,
0.2914

80.4405, 0.3222,
0.3247

23.1979, 0.5219,
0.2920

95.9617, 0.3093,
0.3306

■ 21.0499, 0.5599,
0.2966

■ 98.1587, 0.3066,
0.3290

■ 19.9464, 0.5917,
0.3051

■ 19.7373, 0.5995,
0.3076

Harmonies

Analogous

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



45.6583, 0.3314, 0.2718



45.6583, 0.3814, 0.3052



45.6583, 0.4122, 0.3454

Triad

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



45.6583, 0.3814, 0.3052



45.6583, 0.3395, 0.4225



45.6583, 0.2207, 0.2633

Complementary

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



45.6583, 0.3814, 0.3052



77.5227, 0.2714, 0.3548

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.



45.6583, 0.2224, 0.2994



45.6583, 0.3814, 0.3052



45.6583, 0.2885, 0.3982

Square

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



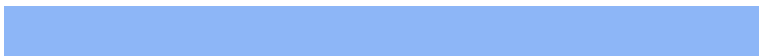
45.6583, 0.3814, 0.3052



45.6583, 0.3855, 0.4151



45.6583, 0.2462, 0.3501



45.6583, 0.2406, 0.2474

Rectangle

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



45.6583, 0.3814, 0.3052



45.6583, 0.4163, 0.3725



45.6583, 0.2462, 0.3501



45.6583, 0.2188, 0.2732

Sweetspot

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



45.6605, 0.3814, 0.3052



82.0961, 0.3279, 0.3223



45.2741, 0.2978, 0.2315



17.1393, 0.3300, 0.3215



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.



45.6605, 0.3814, 0.3052



42.9168, 0.4039, 0.3003



53.0964, 0.3946, 0.3541



16.5482, 0.3255, 0.3233



10.6476, 0.5956, 0.3055



0.9514, 0.5609, 0.2863

Inverse Universe

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



45.6605, 0.3814, 0.3052



42.9168, 0.4039, 0.3003



65.8508, 0.2569, 0.3020



16.5482, 0.3255, 0.3233



10.6476, 0.5956, 0.3055



0.9514, 0.5609, 0.2863

Previews

White Background



This preview shows how the Yxy color 45.6583, 0.3814, 0.3052 looks on a white background.

Color Contrast Check

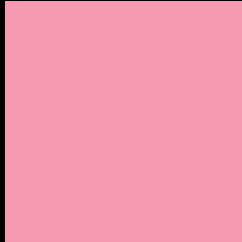
Large Text (above 18pt) WCAG AA × Fail

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 45.6583, 0.3814, 0.3052 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 45.6583, 0.3814, 0.3052

Background



This preview shows how black text looks on a background with the Yxy color 45.6583, 0.3814, 0.3052.



This preview shows how white text looks on a background with the Yxy color 45.6583, 0.3814, 0.3052.

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

45.6583, 0.3814, 0.3052

Protanopia

45.8255, 0.3049, 0.3135

Deuteranopia

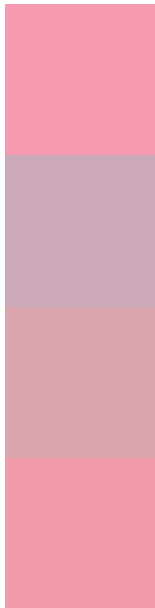
45.6682, 0.3389, 0.3316



Tritanopia

45.4658, 0.3893, 0.3161

Trichromacy



Original Color

45.6583, 0.3814, 0.3052

Protanomaly

45.1320, 0.3299, 0.3093

Deuteranomaly

45.4063, 0.3543, 0.3219

Tritanomaly

45.5781, 0.3862, 0.3128

Monochromacy



Original Color

45.6583, 0.3814, 0.3052

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

46.3451, 0.3357, 0.3192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6583, 0.3814, 0.3052 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, 154, 176)` looks like.

```
.text, #text, p{  
    color:rgb(245, 154, 176)  
}
```

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, 154, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 154, 176) }
```

Border

The CSS property to change the border of an element to Yxy 45.6583, 0.3814, 0.3052 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, 154, 176) }
```

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

```
.border{ border-color:rgb(245, 154, 176) }
```

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

Here you see how a box with a 4 pixel rgb(245, 154, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 154, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 154, 176);  
box-shadow:4px 4px 4px 4px rgb(245, 154,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6583, 0.3814, 0.3052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 154, 176) }
```

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

```
.background{ background-color: rgb(245,  
154, 176) }
```

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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