

Converting Colors

$Y_{xy}(45.1040, 0.3954, 0.3010)$

Have a look what the booklet for
Yxy(45.1040, 0.3954, 0.3010)
contains.

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Color

Yxy(45.1834, 0.3951, 0.3009)

Conversions

Conversions Part 1

Format	Color
Hex	FF93AE
RGB	255, 147, 174
RGB Percent	100%, 58%, 68%
CMY	0.0000, 0.4236, 0.3176
CMYK	0.00, 0.42, 0.32, 0.00
HSL	345°, 100%, 79%
HSV	345°, 42%, 100%
XYZ	59.3286, 45.1834, 45.6489
YIQ	182.3700, 55.7010, 31.2930

Conversions

Conversions Part 2

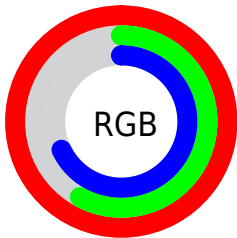
Format	Color
R_{YB}	255, 147, 174
Decimal	16749486
CIE _{Lab}	73.01, 43.64, 3.78
CIE _{LCh}	73, 43.801, 4.953
Yxy	45.1834, 0.3951, 0.3009
Android (android.graphics.Color)	4294939566 (0xFFFF93AE)
YUV	182.3700, -4.1264, 63.6965
Hunter-Lab	67.2186, 39.9153, 6.7885

Details

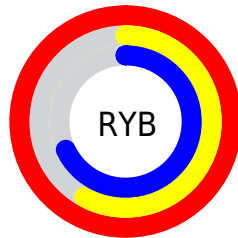
The Yxy color **45.1834, 0.3951, 0.3009** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **83.3196, 0.2671, 0.3602**, and the grayscale version is **46.9833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.6290, 0.3338, 0.3029**, and **21.1463, 0.4187, 0.2924** is the 20% darker color. If you saturate the color by 10%, you get **37.4138, 0.4262, 0.2951**, and if you desaturate by 10%, it is **54.8024, 0.3689, 0.3076**.

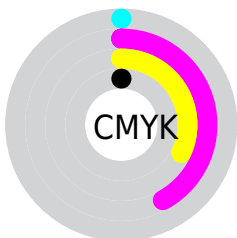
Distribution



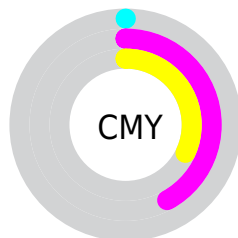
- Red (100%)
- Green (58%)
- Blue (68%)



- Red (100%)
- Yellow (58%)
- Blue (68%)



- Cyan (0%)
- Magenta (42%)
- Yellow (32%)
- Black (0%)




- Cyan (0%)
- Magenta (42%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1834, 0.3951, 0.3009 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 45.1834, 0.3951, 0.3009 by changing the saturation by 10% instead.


 45.1834, 0.3951,
0.3009


 45.1834, 0.3951,
0.3009


367.5158, 0.3536,
0.3154

 31.6019, 0.4055,
0.2972


 82.9956, 0.3800,
0.3063

 21.0576, 0.4189,
0.2923


 107.9950, 0.3743,
0.3083

 13.1661, 0.4366,
0.2857


137.5692, 0.3695,
0.3099

 7.5430, 0.4614,
0.2764

172.1026, 0.3654,
0.3114

 3.8040, 0.4979,
0.2622

211.9796, 0.3619,
0.3126

 1.5645, 0.5564,
0.2385

257.5845, 0.3588,

 0.3335, 0.7770,

0.3137

0.1721

309.3018, 0.3560,
0.3146

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

45.1834, 0.3951,
0.3009

45.1834, 0.3951,
0.3009

37.4138, 0.4262,
0.2951

54.8024, 0.3689,
0.3076

31.3927, 0.4620,
0.2910

66.4027, 0.3474,
0.3145

26.9766, 0.5011,
0.2897

80.0796, 0.3298,
0.3212

24.0084, 0.5403,
0.2924

95.9281, 0.3157,
0.3276

■ 22.2984, 0.5754,
0.2993

100.0000, 0.3127,
0.3290

■ 21.6284, 0.5974,
0.3065

Harmonies

Analogous

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



45.1834, 0.3351, 0.2625



45.1834, 0.3951, 0.3009



45.1834, 0.4316, 0.3472

Triad

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



45.1834, 0.3951, 0.3009



45.1834, 0.3425, 0.4414



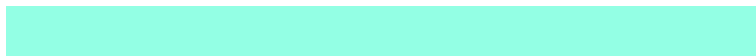
45.1834, 0.2053, 0.2506

Complementary

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



45.1834, 0.3951, 0.3009



83.3196, 0.2671, 0.3602

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.



45.1834, 0.2068, 0.2922



45.1834, 0.3951, 0.3009



45.1834, 0.2825, 0.4124

Square

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



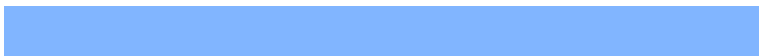
45.1834, 0.3951, 0.3009



45.1834, 0.3974, 0.4307



45.1834, 0.2336, 0.3530



45.1834, 0.2284, 0.2333

Rectangle

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



45.1834, 0.3951, 0.3009



45.1834, 0.4356, 0.3788



45.1834, 0.2336, 0.3530



45.1834, 0.2030, 0.2618

Sweetspot

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



45.1763, 0.3951, 0.3009



79.1445, 0.3308, 0.3208



44.2795, 0.2934, 0.2169



16.2613, 0.3344, 0.3193



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.



45.1763, 0.3951, 0.3009



38.3664, 0.4217, 0.2958



52.9396, 0.4119, 0.3557



18.0617, 0.3255, 0.3231



11.3212, 0.5934, 0.3043



1.1189, 0.5620, 0.2869

Inverse Universe

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



45.1763, 0.3951, 0.3009



38.3664, 0.4217, 0.2958



69.8998, 0.2500, 0.2997



18.0617, 0.3255, 0.3231



11.3212, 0.5934, 0.3043



1.1189, 0.5620, 0.2869

Previews

White Background



This preview shows how the Yxy color 45.1834, 0.3951, 0.3009 looks on a white background.

Color Contrast Check

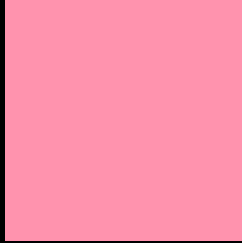
Large Text (above 18pt) WCAG AA × Fail

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 45.1834, 0.3951, 0.3009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

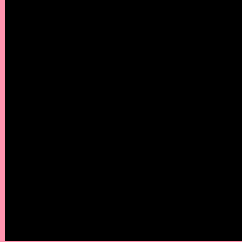
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.1834, 0.3951, 0.3009

Background



This preview shows how black text looks on a background with the Yxy color 45.1834, 0.3951, 0.3009.



This preview shows how white text looks on a background with the Yxy color 45.1834, 0.3951, 0.3009.

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

45.1834, 0.3951, 0.3009

Protanopia

45.6297, 0.3025, 0.3121

Deuteranopia

45.1692, 0.3417, 0.3341



Tritanopia

45.1038, 0.4083, 0.3177

Trichromacy



Original Color

45.1834, 0.3951, 0.3009



Protanomaly

44.4056, 0.3340, 0.3070



Deuteranomaly

44.8633, 0.3607, 0.3208



Tritanomaly

44.9673, 0.4033, 0.3113

Monochromacy



Original Color

45.1834, 0.3951, 0.3009



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

45.1859, 0.3409, 0.3168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1834, 0.3951, 0.3009 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(255, 147, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 147, 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(255, 147, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 147, 174) }
```

Border

The CSS property to change the border of an element to Yxy 45.1834, 0.3951, 0.3009 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(255, 147, 174) }
```

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

```
.border{ border-color:rgb(255, 147, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 147, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 147, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 147, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 147,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1834, 0.3951, 0.3009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 147, 174) }
```

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

```
.background{ background-color: rgb(255,  
147, 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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