

Converting Colors

$Y_{xy}(47.1064, 0.3886, 0.2986)$

Have a look what the booklet for
Yxy(47.1064, 0.3886, 0.2986)
contains.

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Color

Yxy(46.7294, 0.3865, 0.2978)

Conversions

Conversions Part 1

Format	Color
Hex	FF97B5
RGB	255, 151, 181
RGB Percent	100%, 59%, 71%
CMY	0.0000, 0.4078, 0.2902
CMYK	0.00, 0.41, 0.29, 0.00
HSL	343°, 100%, 80%
HSV	343°, 41%, 100%
XYZ	60.6478, 46.7294, 49.5382
YIQ	185.5160, 52.3540, 31.3780

Conversions

Conversions Part 2

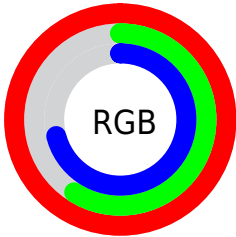
Format	Color
R _Y B	255, 151, 181
Decimal	16750517
CIE Lab	74.02, 42.45, 1.38
CIE LCh	74, 42.477, 1.858
Yxy	46.7294, 0.3865, 0.2978
Android (android.graphics.Color)	4294940597 (0xFFFF97B5)
YUV	185.5160, -2.2264, 60.9375
Hunter-Lab	68.3589, 38.7365, 4.8851

Details

The Yxy color **46.7294, 0.3865, 0.2978** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **83.5364, 0.2704, 0.3636**, and the grayscale version is **48.8097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0001, 0.3275, 0.2991**, and **22.0296, 0.4078, 0.2895** is the 20% darker color. If you saturate the color by 10%, you get **38.6946, 0.4151, 0.2908**, and if you desaturate by 10%, it is **56.6394, 0.3625, 0.3056**.

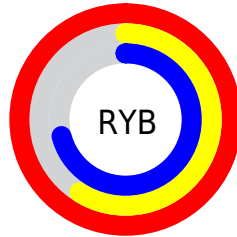
Distribution



Red (100%)

Green (59%)

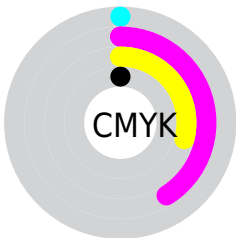
Blue (71%)



Red (100%)

Yellow (59%)

Blue (71%)

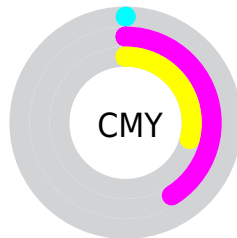


Cyan (0%)

Magenta (41%)

Yellow (29%)

Black (0%)



Cyan (0%)

Magenta (41%)

Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7294, 0.3865, 0.2978 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 46.7294, 0.3865, 0.2978 by changing the saturation by 10% instead.


 46.7294, 0.3865,
0.2978


 46.7294, 0.3865,
0.2978


373.7334, 0.3496,
0.3135

 32.8218, 0.3957,
0.2939


 85.3096, 0.3731,
0.3035

 21.9900, 0.4074,
0.2888


 110.7509, 0.3681,
0.3057

 13.8495, 0.4229,
0.2821


140.8056, 0.3638,
0.3075

 8.0161, 0.4444,
0.2727

175.8581, 0.3602,
0.3090

 4.1052, 0.4760,
0.2588

216.2927, 0.3570,
0.3104

 1.7326, 0.5263,
0.2364

262.4938, 0.3543,

 0.4446, 0.6608,

0.3116

0.1811

314.8459, 0.3518,
0.3126

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.7294, 0.3865,
0.2978

■ 46.7294, 0.3865,
0.2978

■ 38.6946, 0.4151,
0.2908

■ 56.6394, 0.3625,
0.3056

■ 32.4107, 0.4482,
0.2855

■ 68.5283, 0.3428,
0.3135

■ 27.7462, 0.4847,
0.2830

■ 82.4982, 0.3267,
0.3212

■ 24.5487, 0.5223,
0.2845

■ 98.6427, 0.3136,
0.3285

■ 22.6359, 0.5576,
0.2907

100.0000, 0.3127,
0.3290

■ 21.7483, 0.5851,
0.2997

Harmonies

Analogous

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



46.7294, 0.3280, 0.2618



46.7294, 0.3865, 0.2978



46.7294, 0.4246, 0.3421

Triad

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



46.7294, 0.3865, 0.2978



46.7294, 0.3476, 0.4372



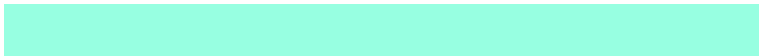
46.7294, 0.2082, 0.2568

Complementary

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



46.7294, 0.3865, 0.2978



83.5364, 0.2704, 0.3636

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.



46.7294, 0.2123, 0.2993



46.7294, 0.3865, 0.2978



46.7294, 0.2896, 0.4132

Square

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



46.7294, 0.3865, 0.2978



46.7294, 0.3988, 0.4241



46.7294, 0.2407, 0.3585



46.7294, 0.2282, 0.2375

Rectangle

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



46.7294, 0.3865, 0.2978



46.7294, 0.4311, 0.3727



46.7294, 0.2407, 0.3585



46.7294, 0.2068, 0.2685

Sweetspot

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



46.7310, 0.3865, 0.2978



80.6827, 0.3285, 0.3203



45.1705, 0.2915, 0.2202



16.8602, 0.3304, 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.



46.7310, 0.3865, 0.2978



39.9950, 0.4096, 0.2919



52.9251, 0.4083, 0.3512



18.0732, 0.3249, 0.3222



11.3862, 0.5809, 0.2974



1.1266, 0.5489, 0.2798

Inverse Universe

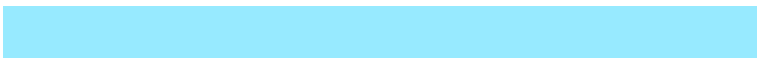
The Inverse Universe completely reimagines the original color for something new.



46.7310, 0.3865, 0.2978



39.9950, 0.4096, 0.2919



72.7600, 0.2528, 0.3050



18.0732, 0.3249, 0.3222



11.3862, 0.5809, 0.2974



1.1266, 0.5489, 0.2798

Previews

White Background



This preview shows how the Yxy color 46.7294, 0.3865, 0.2978 looks on a white background.

Color Contrast Check

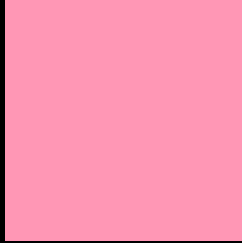
Large Text (above 18pt) WCAG AA × Fail

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 46.7294, 0.3865, 0.2978 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 46.7294, 0.3865, 0.2978

Background



This preview shows how black text looks on a background with the Yxy color 46.7294, 0.3865, 0.2978.



This preview shows how white text looks on a background with the Yxy color 46.7294, 0.3865, 0.2978.

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

46.7294, 0.3865, 0.2978

Protanopia

46.9950, 0.2988, 0.3060

Deuteranopia

46.7815, 0.3351, 0.3278



Tritanopia

46.7105, 0.4002, 0.3176

Trichromacy



Original Color

46.7294, 0.3865, 0.2978



Protanomaly

45.9651, 0.3283, 0.3024



Deuteranomaly

46.2239, 0.3534, 0.3161



Tritanomaly

46.7936, 0.3953, 0.3102

Monochromacy



Original Color

46.7294, 0.3865, 0.2978



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

47.1967, 0.3376, 0.3158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7294, 0.3865, 0.2978 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, 151, 181)` looks like.

```
.text, #text, p{  
    color:rgb(255, 151, 181)  
}
```

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, 151, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 151, 181) }
```

Border

The CSS property to change the border of an element to Yxy 46.7294, 0.3865, 0.2978 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, 151, 181) }
```

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

```
.border{ border-color:rgb(255, 151, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 151, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 151, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 151, 181); box-shadow:4px 4px 4px 4px rgb(255, 151, 181) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7294, 0.3865, 0.2978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 151, 181) }
```

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

```
.background{ background-color: rgb(255,  
151, 181) }
```

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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