

Converting Colors

$Y_{xy}(47.7009, 0.3781, 0.2919)$

Have a look what the booklet for
Yxy(47.7009, 0.3781, 0.2919)
contains.

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Color

Yxy(47.7166, 0.3778, 0.2916)

Conversions

Conversions Part 1

Format	Color
Hex	FF99BD
RGB	255, 153, 189
RGB Percent	100%, 60%, 74%
CMY	0.0000, 0.4000, 0.2588
CMYK	0.00, 0.40, 0.26, 0.00
HSL	339°, 100%, 80%
HSV	339°, 40%, 100%
XYZ	61.8221, 47.7166, 54.0984
YIQ	187.6020, 49.2360, 32.8200

Conversions

Conversions Part 2

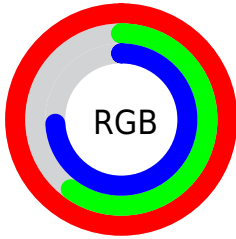
Format	Color
R _Y B	255, 153, 189
Decimal	16751037
CIE Lab	74.65, 42.50, -2.12
CIE LCh	75, 42.555, 357.144
Yxy	47.7166, 0.3778, 0.2916
Android (android.graphics.Color)	4294941117 (0xFFFF99BD)
YUV	187.6020, 0.6892, 59.1080
Hunter-Lab	69.0772, 38.8673, 1.9205

Details

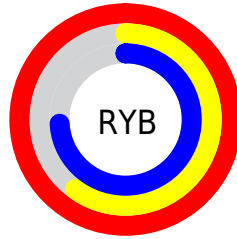
The Yxy color **47.7166, 0.3778, 0.2916** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **83.4058, 0.2742, 0.3708**, and the grayscale version is **50.0248, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4535, 0.3217, 0.2935**, and **22.6277, 0.3952, 0.2815** is the 20% darker color. If you saturate the color by 10%, you get **39.5650, 0.4031, 0.2828**, and if you desaturate by 10%, it is **57.7303, 0.3565, 0.3012**.

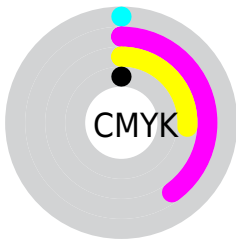
Distribution



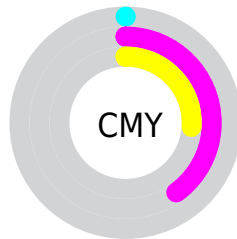
- Red (100%)
- Green (60%)
- Blue (74%)



- Red (100%)
- Yellow (60%)
- Blue (74%)



- Cyan (0%)
- Magenta (40%)
- Yellow (26%)
- Black (0%)





- Cyan (0%)
- Magenta (40%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7166, 0.3778, 0.2916 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 47.7166, 0.3778, 0.2916 by changing the saturation by 10% instead.


 47.7166, 0.3778,
0.2916

 47.7166, 0.3778,
0.2916


377.6677, 0.3456,
0.3100

 33.6025, 0.3857,
0.2871


 86.7823, 0.3662,
0.2982

 22.5884, 0.3959,
0.2814


 112.5027, 0.3618,
0.3007

 14.2899, 0.4092,
0.2740


142.8607, 0.3580,
0.3028

 8.3226, 0.4275,
0.2638

178.2406, 0.3548,
0.3047

 4.3020, 0.4543,
0.2491

219.0268, 0.3521,
0.3063

 1.8439, 0.4966,
0.2262

265.6039, 0.3496,

 0.5143, 0.5858,

0.3076

0.1743

318.3560, 0.3475,
0.3089

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

47.7166, 0.3778,
0.2916

47.7166, 0.3778,
0.2916

39.5650, 0.4031,
0.2828

57.7303, 0.3565,
0.3012

33.1624, 0.4323,
0.2757

69.7174, 0.3389,
0.3108

28.3764, 0.4648,
0.2716

83.7754, 0.3245,
0.3202

25.0576, 0.4988,
0.2717

99.9967, 0.3127,
0.3290

■ 23.0280, 0.5319,
0.2770

100.0000, 0.3127,
0.3290

■ 21.9985, 0.5615,
0.2867

Harmonies

Analogous

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



47.7166, 0.3184, 0.2576



47.7166, 0.3778, 0.2916



47.7166, 0.4201, 0.3349

Triad

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



47.7166, 0.3778, 0.2916



47.7166, 0.3563, 0.4368



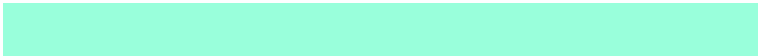
47.7166, 0.2077, 0.2624

Complementary

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



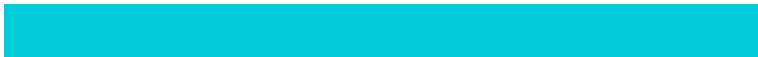
47.7166, 0.3778, 0.2916



83.4058, 0.2742, 0.3708

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.



47.7166, 0.2156, 0.3080



47.7166, 0.3778, 0.2916



47.7166, 0.2986, 0.4190

Square

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



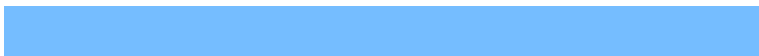
47.7166, 0.3778, 0.2916



47.7166, 0.4048, 0.4191



47.7166, 0.2475, 0.3679



47.7166, 0.2239, 0.2395

Rectangle

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



47.7166, 0.3778, 0.2916



47.7166, 0.4305, 0.3655



47.7166, 0.2475, 0.3679



47.7166, 0.2076, 0.2752

Sweetspot

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



47.7152, 0.3778, 0.2916



80.7965, 0.3271, 0.3184



44.8444, 0.2865, 0.2206



16.8868, 0.3289, 0.3171



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.



47.7152, 0.3778, 0.2916



41.0528, 0.3977, 0.2845



51.0493, 0.4088, 0.3436



18.0930, 0.3238, 0.3206



11.5203, 0.5571, 0.2843



1.1415, 0.5257, 0.2670

Inverse Universe

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



47.7152, 0.3778, 0.2916



41.0528, 0.3977, 0.2845



77.1391, 0.2550, 0.3135



18.0930, 0.3238, 0.3206



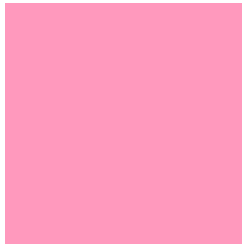
11.5203, 0.5571, 0.2843



1.1415, 0.5257, 0.2670

Previews

White Background



This preview shows how the Yxy color 47.7166, 0.3778, 0.2916 looks on a white background.

Color Contrast Check

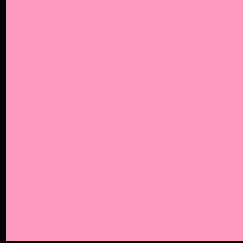
Large Text (above 18pt) WCAG AA × Fail

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 47.7166, 0.3778, 0.2916 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 47.7166, 0.3778, 0.2916

Background



This preview shows how black text looks on a background with the Yxy color 47.7166, 0.3778, 0.2916.



This preview shows how white text looks on a background with the Yxy color 47.7166, 0.3778, 0.2916.

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

47.7166, 0.3778, 0.2916

Protanopia

48.1957, 0.2930, 0.2988

Deuteranopia

47.7611, 0.3271, 0.3204



Tritanopia

47.8237, 0.3960, 0.3176

Trichromacy



Original Color

47.7166, 0.3778, 0.2916



Protanomaly

47.0851, 0.3213, 0.2956



Deuteranomaly

47.2933, 0.3456, 0.3092



Tritanomaly

47.9824, 0.3891, 0.3081

Monochromacy



Original Color

47.7166, 0.3778, 0.2916



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

48.2878, 0.3347, 0.3135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7166, 0.3778, 0.2916 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, 153, 189)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 189)  
}
```

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, 153, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 189) }
```

Border

The CSS property to change the border of an element to Yxy 47.7166, 0.3778, 0.2916 is called "border". The border property can be set on classes, ids or directly on the HTML element.

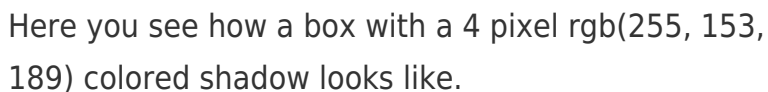
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 153, 189) }
```

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

```
.border{ border-color:rgb(255, 153, 189) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 153, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 153, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 153, 189); box-shadow:4px 4px 4px 4px rgb(255, 153, 189) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7166, 0.3778, 0.2916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 189) }
```

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

```
.background{ background-color: rgb(255,  
153, 189) }
```

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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