

Converting Colors

$Y_{xy}(47.7539, 0.3817, 0.3015)$

Have a look what the booklet for
Yxy(47.7539, 0.3817, 0.3015)
contains.

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Color

Yxy(47.8498, 0.3812, 0.3016)

Conversions

Conversions Part 1

Format	Color
Hex	FC9CB6
RGB	252, 156, 182
RGB Percent	99%, 61%, 71%
CMY	0.0118, 0.3882, 0.2861
CMYK	0.00, 0.38, 0.28, 0.01
HSL	344°, 94%, 80%
HSV	344°, 38%, 99%
XYZ	60.4786, 47.8498, 50.3248
YIQ	187.6680, 48.8700, 28.4380

Conversions

Conversions Part 2

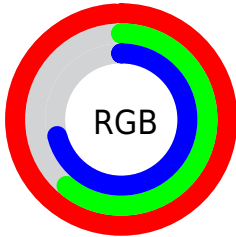
Format	Color
R _Y B	252, 156, 182
Decimal	16555190
CIE _{Lab}	74.73, 38.98, 1.80
CIE _{LCh}	75, 39.019, 2.641
Y _{xy}	47.8498, 0.3812, 0.3016
Android (android.graphics.Color)	4294745270 (0xFFFC9CB6)
Y _{UV}	187.6680, -2.7943, 56.4192
Hunter-Lab	69.1735, 35.0092, 5.2871

Details

The Yxy color **47.8498, 0.3812, 0.3016** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **82.1750, 0.2719, 0.3590**, and the grayscale version is **50.0891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5200, 0.3264, 0.3032**, and **22.6229, 0.4004, 0.2940** is the 20% darker color. If you saturate the color by 10%, you get **39.5435, 0.4093, 0.2948**, and if you desaturate by 10%, it is **58.0145, 0.3578, 0.3090**.

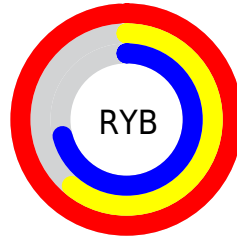
Distribution



Red (99%)

Green (61%)

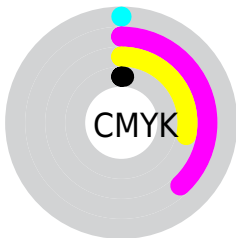
Blue (71%)



Red (99%)

Yellow (61%)

Blue (71%)

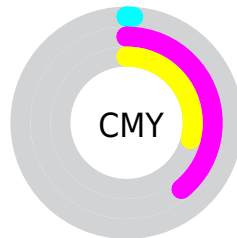


Cyan (0%)

Magenta (38%)

Yellow (28%)

Black (1%)



Cyan (1%)


Magenta (39%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8498, 0.3812, 0.3016 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 47.8498, 0.3812, 0.3016 by changing the saturation by 10% instead.

 47.8498, 0.3812,
0.3016


 47.8498, 0.3812,
0.3016

378.1965, 0.3471,
0.3154

 33.7080, 0.3897,
0.2981


 86.9807, 0.3688,
0.3066

 22.6693, 0.4005,
0.2937


 112.7386, 0.3642,
0.3085

 14.3495, 0.4148,
0.2878


143.1373, 0.3602,
0.3101

 8.3642, 0.4345,
0.2795

178.5611, 0.3569,
0.3115

 4.3288, 0.4635,
0.2672

219.3946, 0.3539,
0.3127

 1.8592, 0.5098,
0.2474

266.0220, 0.3514,

 0.5237, 0.6240,

0.3137

0.2033

318.8279, 0.3491,
0.3146

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

47.8498, 0.3812,
0.3016

47.8498, 0.3812,
0.3016

39.5435, 0.4093,
0.2948

58.0145, 0.3578,
0.3090

32.9754, 0.4421,
0.2893

70.1342, 0.3387,
0.3164

28.0224, 0.4788,
0.2863

84.3070, 0.3231,
0.3236

24.5417, 0.5173,
0.2869

99.4345, 0.3109,
0.3290

■ 22.3653, 0.5541,
0.2919

■ 21.2648, 0.5854,
0.3010

■ 21.1161, 0.5907,
0.3028

Harmonies

Analogous

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



47.8498, 0.3284, 0.2678



47.8498, 0.3812, 0.3016



47.8498, 0.4151, 0.3429

Triad

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



47.8498, 0.3812, 0.3016



47.8498, 0.3438, 0.4270



47.8498, 0.2167, 0.2625

Complementary

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



47.8498, 0.3812, 0.3016



82.1750, 0.2719, 0.3590

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.



47.8498, 0.2200, 0.3012



47.8498, 0.3812, 0.3016



47.8498, 0.2907, 0.4040

Square

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



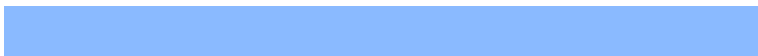
47.8498, 0.3812, 0.3016



47.8498, 0.3909, 0.4170



47.8498, 0.2459, 0.3546



47.8498, 0.2358, 0.2447

Rectangle

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



47.8498, 0.3812, 0.3016



47.8498, 0.4207, 0.3711



47.8498, 0.2459, 0.3546



47.8498, 0.2152, 0.2731

Sweetspot

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



47.8521, 0.3812, 0.3016



82.1434, 0.3273, 0.3215



46.7816, 0.2946, 0.2280



17.1505, 0.3294, 0.3206



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.



47.8521, 0.3812, 0.3016



42.2349, 0.4031, 0.2961



54.4614, 0.3989, 0.3514



17.3025, 0.3251, 0.3226



11.0211, 0.5865, 0.3005



1.0377, 0.5530, 0.2820

Inverse Universe

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



47.8521, 0.3812, 0.3016



42.2349, 0.4031, 0.2961



71.3587, 0.2561, 0.3050



17.3025, 0.3251, 0.3226



11.0211, 0.5865, 0.3005



1.0377, 0.5530, 0.2820

Previews

White Background



This preview shows how the Yxy color 47.8498, 0.3812, 0.3016 looks on a white background.

Color Contrast Check

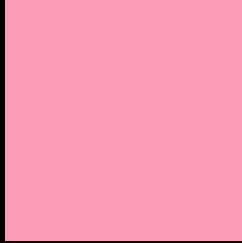
Large Text (above 18pt) WCAG AA × Fail

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 47.8498, 0.3812, 0.3016 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 47.8498, 0.3812, 0.3016

Background



This preview shows how black text looks on a background with the Yxy color 47.8498, 0.3812, 0.3016.



This preview shows how white text looks on a background with the Yxy color 47.8498, 0.3812, 0.3016.

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

47.8498, 0.3812, 0.3016

Protanopia

48.1345, 0.3020, 0.3100

Deuteranopia

47.8925, 0.3357, 0.3291



Tritanopia

47.8652, 0.3918, 0.3164

Trichromacy



Original Color

47.8498, 0.3812, 0.3016



Protanomaly

47.2482, 0.3289, 0.3062



Deuteranomaly

47.3763, 0.3518, 0.3185



Tritanomaly

47.6792, 0.3881, 0.3111

Monochromacy



Original Color

47.8498, 0.3812, 0.3016



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

48.4447, 0.3354, 0.3170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8498, 0.3812, 0.3016 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(252, 156, 182)` looks like.

```
.text, #text, p{  
    color:rgb(252, 156, 182)  
}
```

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(252, 156, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 156, 182) }
```

Border

The CSS property to change the border of an element to Yxy 47.8498, 0.3812, 0.3016 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(252, 156, 182) }
```

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

```
.border{ border-color:rgb(252, 156, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 156, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(252, 156, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(252, 156, 182); box-shadow:4px 4px 4px 4px rgb(252, 156, 182) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8498, 0.3812, 0.3016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 156, 182) }
```

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

```
.background{ background-color: rgb(252,  
156, 182) }
```

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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