

Converting Colors

$Y_{xy}(47.0342, 0.3954, 0.2993)$

Have a look what the booklet for
Yxy(47.0342, 0.3954, 0.2993)
contains.

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Color

Yxy(45.9692, 0.3902, 0.2988)

Conversions

Conversions Part 1

Format	Color
Hex	FF95B2
RGB	255, 149, 178
RGB Percent	100%, 58%, 70%
CMY	0.0000, 0.4157, 0.3018
CMYK	0.00, 0.42, 0.30, 0.00
HSL	344°, 100%, 79%
HSV	344°, 42%, 100%
XYZ	60.0307, 45.9692, 47.8461
YIQ	184.0000, 53.8670, 31.4910

Conversions

Conversions Part 2

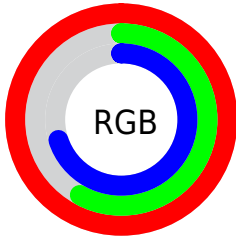
Format	Color
R _Y B	255, 149, 178
Decimal	16750002
CIE Lab	73.53, 43.11, 2.30
CIE LCh	74, 43.167, 3.057
Yxy	45.9692, 0.3902, 0.2988
Android (android.graphics.Color)	4294940082 (0xFFFF95B2)
YUV	184.0000, -2.9580, 62.2670
Hunter-Lab	67.8006, 39.3931, 5.6201

Details

The Yxy color **45.9692, 0.3902, 0.2988** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **83.3975, 0.2690, 0.3626**, and the grayscale version is **47.9257, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.8632, 0.3299, 0.3000**, and **21.5822, 0.4132, 0.2909** is the 20% darker color. If you saturate the color by 10%, you get **38.0696, 0.4198, 0.2923**, and if you desaturate by 10%, it is **55.7331, 0.3653, 0.3062**.

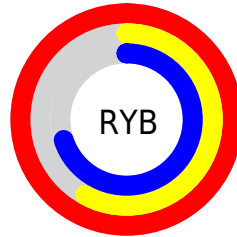
Distribution



Red (100%)

Green (58%)

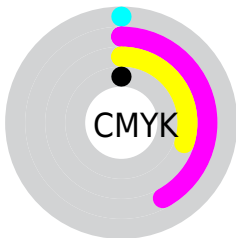
Blue (70%)



Red (100%)

Yellow (58%)

Blue (70%)

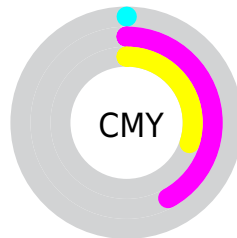


Cyan (0%)

Magenta (42%)

Yellow (30%)

Black (0%)



Cyan (0%)


Magenta (42%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9692, 0.3902, 0.2988 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 45.9692, 0.3902, 0.2988 by changing the saturation by 10% instead.


 45.9692, 0.3902,
0.2988

 45.9692, 0.3902,
0.2988


370.6848, 0.3513,
0.3142

 32.2215, 0.3999,
0.2949


 84.1729, 0.3761,
0.3044

 21.5308, 0.4123,
0.2899


 109.3977, 0.3708,
0.3065

 13.5125, 0.4288,
0.2832


139.2170, 0.3663,
0.3083

 7.7824, 0.4517,
0.2737

174.0152, 0.3624,
0.3098

 3.9560, 0.4854,
0.2596

214.1767, 0.3591,
0.3111

 1.6490, 0.5393,
0.2365

260.0859, 0.3562,

 0.3903, 0.7055,

0.3123

0.1757

312.1271, 0.3536,
0.3133

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

45.9692, 0.3902,
0.2988

45.9692, 0.3902,
0.2988

38.0696, 0.4198,
0.2923

55.7331, 0.3653,
0.3062

31.9172, 0.4540,
0.2874

67.4744, 0.3448,
0.3137

27.3760, 0.4916,
0.2855

81.2930, 0.3281,
0.3210

24.2914, 0.5298,
0.2876

97.2834, 0.3146,
0.3280

■ 22.4779, 0.5651,
0.2942

100.0000, 0.3127,
0.3290

■ 21.7004, 0.5900,
0.3024

Harmonies

Analogous

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



45.9692, 0.3308, 0.2617



45.9692, 0.3902, 0.2988



45.9692, 0.4279, 0.3441

Triad

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



45.9692, 0.3902, 0.2988



45.9692, 0.3458, 0.4395



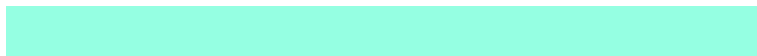
45.9692, 0.2066, 0.2541

Complementary

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



45.9692, 0.3902, 0.2988



83.3975, 0.2690, 0.3626

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.



45.9692, 0.2096, 0.2963



45.9692, 0.3902, 0.2988



45.9692, 0.2867, 0.4134

Square

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



45.9692, 0.3902, 0.2988



45.9692, 0.3987, 0.4271



45.9692, 0.2376, 0.3566



45.9692, 0.2278, 0.2355

Rectangle

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



45.9692, 0.3902, 0.2988



45.9692, 0.4335, 0.3752



45.9692, 0.2376, 0.3566



45.9692, 0.2048, 0.2656

Sweetspot

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



45.9681, 0.3902, 0.2988



80.6574, 0.3288, 0.3207



44.7142, 0.2924, 0.2185



16.8542, 0.3308, 0.3198



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.



45.9681, 0.3902, 0.2988



39.1922, 0.4149, 0.2932



52.9197, 0.4101, 0.3534



18.0688, 0.3251, 0.3225



11.3603, 0.5858, 0.3001



1.1236, 0.5539, 0.2825

Inverse Universe

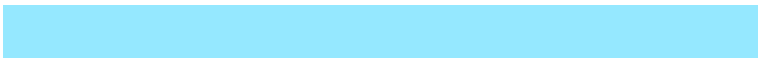
The Inverse Universe completely reimagines the original color for something new.



45.9681, 0.3902, 0.2988



39.1922, 0.4149, 0.2932



71.3398, 0.2514, 0.3024



18.0688, 0.3251, 0.3225



11.3603, 0.5858, 0.3001



1.1236, 0.5539, 0.2825

Previews

White Background



This preview shows how the Yxy color 45.9692, 0.3902, 0.2988 looks on a white background.

Color Contrast Check

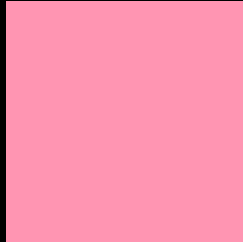
Large Text (above 18pt) WCAG AA × Fail

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 45.9692, 0.3902, 0.2988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

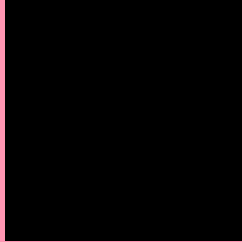
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.9692, 0.3902, 0.2988

Background



This preview shows how black text looks on a background with the Yxy color 45.9692, 0.3902, 0.2988.

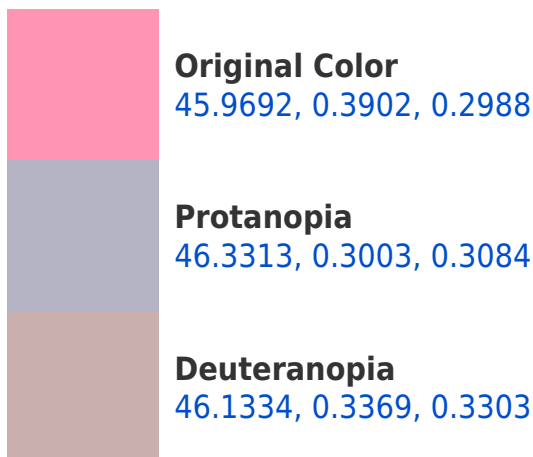


This preview shows how white text looks on a background with the Yxy color 45.9692, 0.3902, 0.2988.

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





Tritanopia

46.1716, 0.4039, 0.3177

Trichromacy



Original Color

45.9692, 0.3902, 0.2988

Protanomaly

45.3155, 0.3302, 0.3047

Deuteranomaly

45.7397, 0.3564, 0.3185

Tritanomaly

46.0312, 0.3991, 0.3113

Monochromacy



Original Color

45.9692, 0.3902, 0.2988

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

46.2049, 0.3388, 0.3157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9692, 0.3902, 0.2988 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, 149, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 149, 178)  
}
```

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, 149, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 149, 178) }
```

Border

The CSS property to change the border of an element to Yxy 45.9692, 0.3902, 0.2988 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, 149, 178) }
```

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

```
.border{ border-color:rgb(255, 149, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 149, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 149, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 149, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 149,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9692, 0.3902, 0.2988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 149, 178) }
```

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

```
.background{ background-color: rgb(255,  
149, 178) }
```

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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