

Converting Colors

$Y_{xy}(47.3418, 0.3499, 0.2570)$

Have a look what the booklet for
Yxy(47.3418, 0.3499, 0.2570)
contains.

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Color

Yxy(47.1894, 0.3504, 0.2571)

Conversions

Conversions Part 1

Format	Color
Hex	FF93DA
RGB	255, 147, 218
RGB Percent	100%, 58%, 85%
CMY	0.0002, 0.4234, 0.1451
CMYK	0.00, 0.42, 0.14, 0.00
HSL	321°, 100%, 79%
HSV	321°, 42%, 100%
XYZ	64.3141, 47.1894, 72.0414
YIQ	187.3860, 41.5770, 44.9770

Conversions

Conversions Part 2

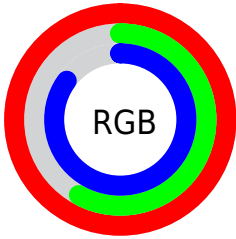
Format	Color
R _Y B	255, 147, 218
Decimal	16749530
CIE Lab	74.31, 49.69, -18.57
CIE LCh	74, 53.046, 339.511
Yxy	47.1894, 0.3504, 0.2571
Android (android.graphics.Color)	4294939610 (0xFFFF93DA)
YUV	187.3860, 15.0927, 59.2975
Hunter-Lab	68.6945, 46.9023, -14.0925

Details

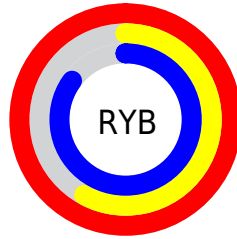
The Yxy color $47.1894, 0.3504, 0.2571$ is a light color, and the websafe version is hex FF99CC . A complement of this color would be $81.1565, 0.2885, 0.4148$, and the grayscale version is $49.8221, 0.3127, 0.3290$.

A 20% lighter version of the original color is $71.1919, 0.3151, 0.2782$, and $22.2088, 0.3592, 0.2396$ is the 20% darker color. If you saturate the color by 10%, you get $39.6742, 0.3631, 0.2414$, and if you desaturate by 10%, it is $56.4901, 0.3392, 0.2741$.

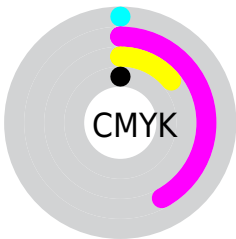
Distribution



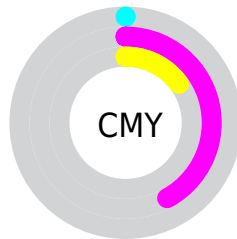
- Red (100%)
- Green (58%)
- Blue (85%)



- Red (100%)
- Yellow (58%)
- Blue (85%)



- Cyan (0%)
- Magenta (42%)
- Yellow (14%)
- Black (0%)




- Cyan (0%)
- Magenta (42%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1894, 0.3504, 0.2571 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 47.1894, 0.3504, 0.2571 by changing the saturation by 10% instead.


 47.1894, 0.3504,
0.2571


 47.1894, 0.3504,
0.2571


375.5700, 0.3327,
0.2907

 33.1854, 0.3545,
0.2494


 85.9963, 0.3442,
0.2688

 22.2685, 0.3596,
0.2399


 111.5679, 0.3418,
0.2733

 14.0543, 0.3660,
0.2279


141.7643, 0.3398,
0.2772

 8.1585, 0.3745,
0.2122

176.9697, 0.3380,
0.2806

 4.1965, 0.3860,
0.1910

217.5686, 0.3364,
0.2836

 1.7841, 0.4025,
0.1610

263.9453, 0.3350,

 0.4772, 0.4332,

0.2862

0.1052

316.4844, 0.3338,
0.2886

0.0000, 0.5008,
0.0000

0.0000, 0.0000,
0.0000

47.1894, 0.3504,
0.2571

47.1894, 0.3504,
0.2571

39.6742, 0.3631,
0.2414

56.4901, 0.3392,
0.2741

33.8201, 0.3770,
0.2281

67.6765, 0.3295,
0.2915

29.4973, 0.3919,
0.2184

80.8495, 0.3212,
0.3087

26.5535, 0.4072,
0.2132

96.1006, 0.3142,
0.3253

■ 24.8047, 0.4223,
0.2132

99.9909, 0.3127,
0.3290

■ 24.0642, 0.4336,
0.2162

Harmonies

Analogous

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



47.1894, 0.2764, 0.2266



47.1894, 0.3504, 0.2571



47.1894, 0.4201, 0.3028

Triad

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



47.1894, 0.3504, 0.2571



47.1894, 0.4023, 0.4532



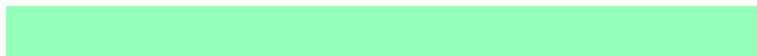
47.1894, 0.1870, 0.2745

Complementary

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



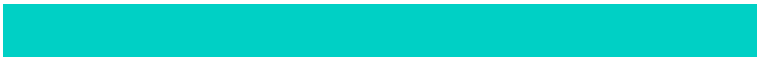
47.1894, 0.3504, 0.2571



81.1565, 0.2885, 0.4148

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.



47.1894, 0.2126, 0.3449



47.1894, 0.3504, 0.2571



47.1894, 0.3352, 0.4629

Square

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



47.1894, 0.3504, 0.2571



47.1894, 0.4486, 0.4104



47.1894, 0.2657, 0.4211



47.1894, 0.1900, 0.2315

Rectangle

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



47.1894, 0.3504, 0.2571



47.1894, 0.4498, 0.3381



47.1894, 0.2657, 0.4211



47.1894, 0.1923, 0.2954

Sweetspot

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



47.1916, 0.3504, 0.2571



79.9331, 0.3217, 0.3076



38.1646, 0.2587, 0.2057



16.4553, 0.3234, 0.3038



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.



47.1916, 0.3504, 0.2571



40.5905, 0.3613, 0.2434



44.8476, 0.4046, 0.3104



18.1884, 0.3191, 0.3135



12.6086, 0.4313, 0.2149



1.2482, 0.4154, 0.2062

Inverse Universe

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



47.1916, 0.3504, 0.2571



40.5905, 0.3613, 0.2434



83.8083, 0.2630, 0.3495



18.1884, 0.3191, 0.3135



12.6086, 0.4313, 0.2149



1.2482, 0.4154, 0.2062

Previews

White Background



This preview shows how the Yxy color 47.1894, 0.3504, 0.2571 looks on a white background.

Color Contrast Check

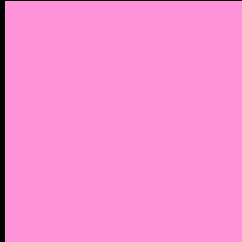
Large Text (above 18pt) WCAG AA × Fail

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 47.1894, 0.3504, 0.2571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

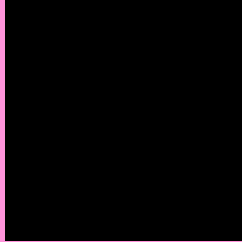
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.1894, 0.3504, 0.2571

Background



This preview shows how black text looks on a background with the Yxy color 47.1894, 0.3504, 0.2571.



This preview shows how white text looks on a background with the Yxy color 47.1894, 0.3504, 0.2571.

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

47.1894, 0.3504, 0.2571

Protanopia

47.6740, 0.2596, 0.2552

Deuteranopia

47.5585, 0.2940, 0.2883



Tritanopia

47.1183, 0.3913, 0.3163

Trichromacy



Original Color

47.1894, 0.3504, 0.2571



Protanomaly

46.4012, 0.2880, 0.2548



Deuteranomaly

46.4895, 0.3135, 0.2745



Tritanomaly

46.8796, 0.3761, 0.2932

Monochromacy



Original Color

47.1894, 0.3504, 0.2571



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

47.5793, 0.3265, 0.2982

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1894, 0.3504, 0.2571 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, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 147, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 147, 218) }
```

Border

The CSS property to change the border of an element to Yxy 47.1894, 0.3504, 0.2571 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, 218) }
```

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

```
.border{ border-color:rgb(255, 147, 218) }
```

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, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 147, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 147, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 147,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1894, 0.3504, 0.2571 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, 218) }
```

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

```
.background{ background-color: rgb(255,  
147, 218) }
```

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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