

Converting Colors

$Y_{xy}(48.5948, 0.3684, 0.2691)$

Have a look what the booklet for
Yxy(48.5948, 0.3684, 0.2691)
contains.

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Color

Yxy(46.9939, 0.3599, 0.2676)

Conversions

Conversions Part 1

Format	Color
Hex	FF94D0
RGB	255, 148, 208
RGB Percent	100%, 58%, 82%
CMY	0.0002, 0.4195, 0.1843
CMYK	0.00, 0.42, 0.18, 0.00
HSL	326°, 100%, 79%
HSV	326°, 42%, 100%
XYZ	63.2029, 46.9939, 65.4156
YIQ	186.8330, 44.5120, 41.3440

Conversions

Conversions Part 2

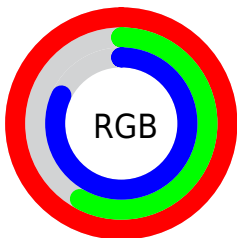
Format	Color
R _Y B	255, 148, 208
Decimal	16749776
CIE Lab	74.19, 47.69, -13.27
CIE LCh	74, 49.497, 344.452
Yxy	46.9939, 0.3599, 0.2676
Android (android.graphics.Color)	4294939856 (0xFFFF94D0)
YUV	186.8330, 10.4353, 59.7825
Hunter-Lab	68.5521, 44.6054, -8.5909

Details

The Yxy color **46.9939, 0.3599, 0.2676** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **81.7300, 0.2835, 0.4008**, and the grayscale version is **49.5195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6657, 0.3151, 0.2792**, and **22.0743, 0.3713, 0.2514** is the 20% darker color. If you saturate the color by 10%, you get **39.3255, 0.3765, 0.2539**, and if you desaturate by 10%, it is **56.4670, 0.3455, 0.2824**.

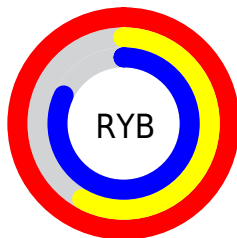
Distribution



Red (100%)

Green (58%)

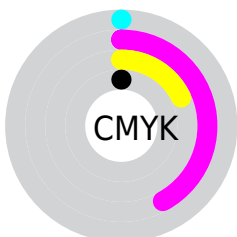
Blue (82%)



Red (100%)

Yellow (58%)

Blue (82%)

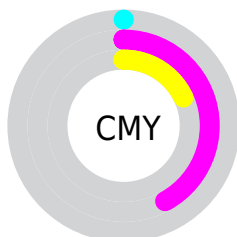


Cyan (0%)

Magenta (42%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (42%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9939, 0.3599, 0.2676 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 46.9939, 0.3599, 0.2676 by changing the saturation by 10% instead.


 46.9939, 0.3599,
0.2676

 46.9939, 0.3599,
0.2676


374.7902, 0.3372,
0.2967

 33.0308, 0.3653,
0.2608


 85.7045, 0.3518,
0.2778

 22.1501, 0.3721,
0.2524


 111.2209, 0.3487,
0.2817

 13.9672, 0.3810,
0.2416


141.3571, 0.3461,
0.2851

 8.0979, 0.3928,
0.2274

176.4976, 0.3438,
0.2880

 4.1576, 0.4096,
0.2078

217.0267, 0.3418,
0.2906

 1.7621, 0.4349,
0.1793

263.3290, 0.3401,

 0.4634, 0.4847,

0.2928

0.1209

315.7886, 0.3385,
0.2949

0.0000, 0.7090,
0.0000

0.0000, 0.0000,
0.0000

46.9939, 0.3599,
0.2676

46.9939, 0.3599,
0.2676

39.3255, 0.3765,
0.2539

56.4670, 0.3455,
0.2824

33.3375, 0.3952,
0.2425

67.8451, 0.3332,
0.2975

28.9002, 0.4154,
0.2345

81.2291, 0.3228,
0.3122

25.8618, 0.4365,
0.2312

96.7108, 0.3142,
0.3264

■ 24.0395, 0.4575,
0.2332

99.9915, 0.3127,
0.3290

■ 23.2346, 0.4739,
0.2384

Harmonies

Analogous

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



46.9939, 0.2896, 0.2358



46.9939, 0.3599, 0.2676



46.9939, 0.4214, 0.3128

Triad

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



46.9939, 0.3599, 0.2676



46.9939, 0.3881, 0.4498



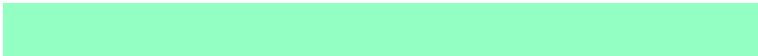
46.9939, 0.1927, 0.2699

Complementary

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



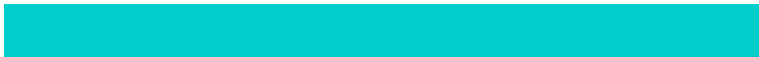
46.9939, 0.3599, 0.2676



81.7300, 0.2835, 0.4008

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.



46.9939, 0.2128, 0.3322



46.9939, 0.3599, 0.2676



46.9939, 0.3234, 0.4503

Square

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



46.9939, 0.3599, 0.2676



46.9939, 0.4354, 0.4142



46.9939, 0.2593, 0.4040



46.9939, 0.1998, 0.2333

Rectangle

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



46.9939, 0.3599, 0.2676



46.9939, 0.4449, 0.3469



46.9939, 0.2593, 0.4040



46.9939, 0.1963, 0.2881

Sweetspot

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



46.9961, 0.3599, 0.2676



79.7405, 0.3238, 0.3107



39.9254, 0.2676, 0.2096



16.4077, 0.3260, 0.3075



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.



46.9961, 0.3599, 0.2676



40.6923, 0.3731, 0.2565



44.8139, 0.4147, 0.3218



18.1577, 0.3206, 0.3157



12.1760, 0.4707, 0.2367



1.2075, 0.4488, 0.2246

Inverse Universe

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



46.9961, 0.3599, 0.2676



40.6923, 0.3731, 0.2565



84.5571, 0.2585, 0.3369



18.1577, 0.3206, 0.3157



12.1760, 0.4707, 0.2367



1.2075, 0.4488, 0.2246

Previews

White Background



This preview shows how the Yxy color 46.9939, 0.3599, 0.2676 looks on a white background.

Color Contrast Check

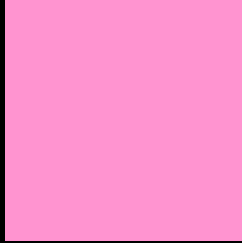
Large Text (above 18pt) WCAG AA × Fail

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 46.9939, 0.3599, 0.2676 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 46.9939, 0.3599, 0.2676

Background



This preview shows how black text looks on a background with the Yxy color 46.9939, 0.3599, 0.2676.



This preview shows how white text looks on a background with the Yxy color 46.9939, 0.3599, 0.2676.

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

46.9939, 0.3599, 0.2676

Protanopia

47.4188, 0.2697, 0.2686

Deuteranopia

47.2290, 0.3040, 0.2980



Tritanopia

47.0762, 0.3955, 0.3175

Trichromacy



Original Color

46.9939, 0.3599, 0.2676



Protanomaly

46.2064, 0.2986, 0.2667



Deuteranomaly

46.3414, 0.3228, 0.2846



Tritanomaly

46.8553, 0.3821, 0.2985

Monochromacy



Original Color

46.9939, 0.3599, 0.2676



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

47.8243, 0.3290, 0.3029

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9939, 0.3599, 0.2676 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, 148, 208)` looks like.

```
.text, #text, p{  
    color:rgb(255, 148, 208)  
}
```

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, 148, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 148, 208) }
```

Border

The CSS property to change the border of an element to Yxy 46.9939, 0.3599, 0.2676 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, 148, 208) }
```

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

```
.border{ border-color:rgb(255, 148, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 148, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 148, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 148, 208);  
box-shadow:4px 4px 4px 4px rgb(255, 148,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9939, 0.3599, 0.2676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 148, 208) }
```

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

```
.background{ background-color: rgb(255,  
148, 208) }
```

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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