

Converting Colors

$Y_{xy}(49.8739, 0.3764, 0.2734)$

Have a look what the booklet for
Yxy(49.8739, 0.3764, 0.2734)
contains.

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Color

Yxy(46.8476, 0.3629, 0.2705)

Conversions

Conversions Part 1

Format	Color
Hex	FF94CD
RGB	255, 148, 205
RGB Percent	100%, 58%, 80%
CMY	0.0000, 0.4196, 0.1961
CMYK	0.00, 0.42, 0.20, 0.00
HSL	328°, 100%, 79%
HSV	328°, 42%, 100%
XYZ	62.8503, 46.8476, 63.4911
YIQ	186.4910, 45.4750, 40.4110

Conversions

Conversions Part 2

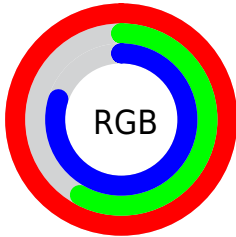
Format	Color
R _Y B	255, 148, 205
Decimal	16749773
CIE Lab	74.09, 47.28, -11.76
CIE LCh	74, 48.717, 346.034
Yxy	46.8476, 0.3629, 0.2705
Android (android.graphics.Color)	4294939853 (0xFFFF94CD)
YUV	186.4910, 9.1249, 60.0824
Hunter-Lab	68.4453, 44.1293, -7.0867

Details

The Yxy color $46.8476, 0.3629, 0.2705$ is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be $81.8935, 0.2821, 0.3971$, and the grayscale version is $49.3225, 0.3127, 0.3290$.

A 20% lighter version of the original color is $71.6657, 0.3151, 0.2792$, and $21.9755, 0.3756, 0.2551$ is the 20% darker color. If you saturate the color by 10%, you get $39.1577, 0.3807, 0.2575$, and if you desaturate by 10%, it is $56.3468, 0.3475, 0.2846$.

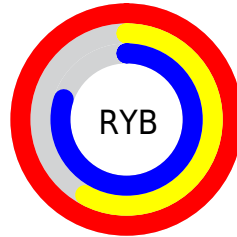
Distribution



Red (100%)

Green (58%)

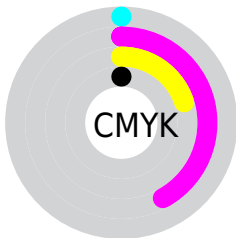
Blue (80%)



Red (100%)

Yellow (58%)

Blue (80%)

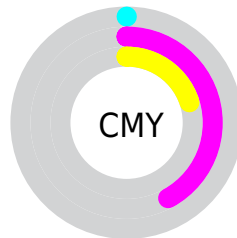


Cyan (0%)

Magenta (42%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (42%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8476, 0.3629, 0.2705 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 46.8476, 0.3629, 0.2705 by changing the saturation by 10% instead.


 46.8476, 0.3629,
0.2705


 46.8476, 0.3629,
0.2705


374.2059, 0.3386,
0.2983

 32.9152, 0.3687,
0.2640


 85.4861, 0.3542,
0.2803

 22.0615, 0.3761,
0.2558


 110.9610, 0.3509,
0.2841

 13.9021, 0.3857,
0.2454

141.0521, 0.3481,
0.2873

 8.0526, 0.3987,
0.2316

176.1439, 0.3457,
0.2901

 4.1286, 0.4171,
0.2124

216.6208, 0.3436,
0.2925

 1.7458, 0.4452,
0.1844

262.8672, 0.3417,

 0.4530, 0.5017,

0.2947

315.2674, 0.3400,
0.2966

0.1246

0.0000, 0.8289,
0.0000

0.0000, 0.0000,
0.0000

46.8476, 0.3629,
0.2705

46.8476, 0.3629,
0.2705

39.1577, 0.3807,
0.2575

56.3468, 0.3475,
0.2846

33.1538, 0.4009,
0.2467

67.7571, 0.3344,
0.2990

28.7054, 0.4228,
0.2393

81.1791, 0.3234,
0.3130

25.6606, 0.4457,
0.2366

96.7049, 0.3143,
0.3265

■ 23.8360, 0.4684,
0.2394

100.0000, 0.3127,
0.3290

■ 23.0333, 0.4860,
0.2451

Harmonies

Analogous

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



46.8476, 0.2934, 0.2382



46.8476, 0.3629, 0.2705



46.8476, 0.4223, 0.3158

Triad

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



46.8476, 0.3629, 0.2705



46.8476, 0.3841, 0.4492



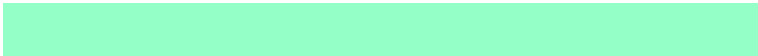
46.8476, 0.1940, 0.2682

Complementary

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



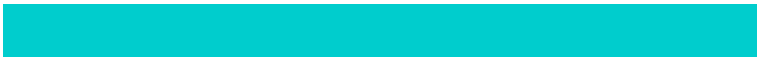
46.8476, 0.3629, 0.2705



81.8935, 0.2821, 0.3971

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.



46.8476, 0.2124, 0.3286



46.8476, 0.3629, 0.2705



46.8476, 0.3199, 0.4471

Square

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



46.8476, 0.3629, 0.2705



46.8476, 0.4320, 0.4156



46.8476, 0.2572, 0.3994



46.8476, 0.2024, 0.2335

Rectangle

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



46.8476, 0.3629, 0.2705



46.8476, 0.4440, 0.3496



46.8476, 0.2572, 0.3994



46.8476, 0.1971, 0.2858

Sweetspot

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



46.8495, 0.3629, 0.2705



79.6851, 0.3245, 0.3116



40.3984, 0.2704, 0.2104



16.3940, 0.3268, 0.3085



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.



46.8495, 0.3629, 0.2705



40.5276, 0.3771, 0.2599



44.6943, 0.4186, 0.3256



18.1489, 0.3210, 0.3164



12.0659, 0.4825, 0.2432



1.1969, 0.4590, 0.2302

Inverse Universe

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



46.8495, 0.3629, 0.2705



40.5276, 0.3771, 0.2599



84.8088, 0.2569, 0.3328



18.1489, 0.3210, 0.3164



12.0659, 0.4825, 0.2432



1.1969, 0.4590, 0.2302

Previews

White Background



This preview shows how the Yxy color 46.8476, 0.3629, 0.2705 looks on a white background.

Color Contrast Check

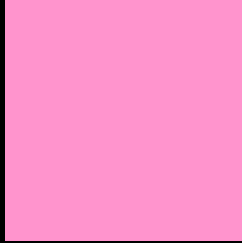
Large Text (above 18pt) WCAG AA × Fail

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 46.8476, 0.3629, 0.2705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

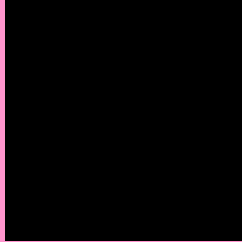
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8476, 0.3629, 0.2705

Background



This preview shows how black text looks on a background with the Yxy color 46.8476, 0.3629, 0.2705.



This preview shows how white text looks on a background with the Yxy color 46.8476, 0.3629, 0.2705.

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

46.8476, 0.3629, 0.2705

Protanopia

47.3645, 0.2723, 0.2721

Deuteranopia

47.2174, 0.3072, 0.3017



Tritanopia

46.7419, 0.3959, 0.3164

Trichromacy



Original Color

46.8476, 0.3629, 0.2705



Protanomaly

46.0470, 0.3009, 0.2699



Deuteranomaly

46.3488, 0.3263, 0.2880



Tritanomaly

46.4881, 0.3834, 0.2985

Monochromacy



Original Color

46.8476, 0.3629, 0.2705



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

47.2042, 0.3299, 0.3039

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8476, 0.3629, 0.2705 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, 205)` looks like.

```
.text, #text, p{  
    color:rgb(255, 148, 205)  
}
```

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, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 148, 205) }
```

Border

The CSS property to change the border of an element to Yxy 46.8476, 0.3629, 0.2705 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, 205) }
```

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

```
.border{ border-color:rgb(255, 148, 205) }
```

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, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 148, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 148, 205);  
box-shadow:4px 4px 4px 4px rgb(255, 148,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8476, 0.3629, 0.2705 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, 205) }
```

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

```
.background{ background-color: rgb(255,  
148, 205) }
```

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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