

Converting Colors

$Y_{xy}(47.0912, 0.3738, 0.2844)$

Have a look what the booklet for
Yxy(47.0912, 0.3738, 0.2844)
contains.

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Color

Yxy(46.9677, 0.3735, 0.2835)

Conversions

Conversions Part 1

Format	Color
Hex	FF96C2
RGB	255, 150, 194
RGB Percent	100%, 59%, 76%
CMY	0.0000, 0.4117, 0.2393
CMYK	0.00, 0.41, 0.24, 0.00
HSL	335°, 100%, 79%
HSV	335°, 41%, 100%
XYZ	61.8781, 46.9677, 56.8251
YIQ	186.4110, 48.4560, 35.9440

Conversions

Conversions Part 2

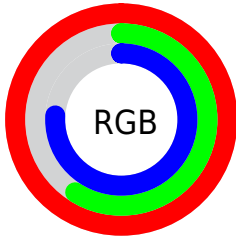
Format	Color
R _Y B	255, 150, 194
Decimal	16750274
CIE Lab	74.17, 44.69, -5.56
CIE LCh	74, 45.032, 352.908
Yxy	46.9677, 0.3735, 0.2835
Android (android.graphics.Color)	4294940354 (0xFFFF96C2)
YUV	186.4110, 3.7414, 60.1526
Hunter-Lab	68.5330, 41.2340, -1.1881

Details

The Yxy color $46.9677, 0.3735, 0.2835$ is a light color, and the websafe version is hex $FF99CC$. A complement of this color would be $82.7038, 0.2766, 0.3807$, and the grayscale version is $49.3049, 0.3127, 0.3290$.

A 20% lighter version of the original color is $72.3047, 0.3184, 0.2858$, and $22.1786, 0.3905, 0.2726$ is the 20% darker color. If you saturate the color by 10%, you get $39.0643, 0.3962, 0.2732$, and if you desaturate by 10%, it is $56.7125, 0.3542, 0.2948$.

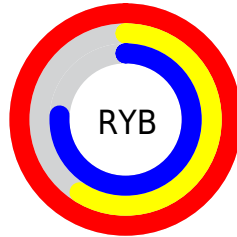
Distribution



Red (100%)

Green (59%)

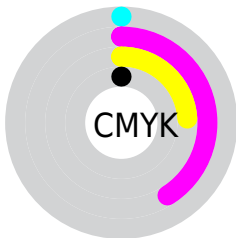
Blue (76%)



Red (100%)

Yellow (59%)

Blue (76%)

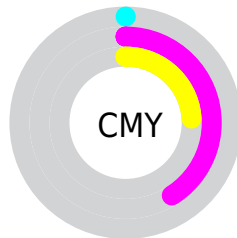


Cyan (0%)

Magenta (41%)

Yellow (24%)

Black (0%)



Cyan (0%)


Magenta (41%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9677, 0.3735, 0.2835 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 46.9677, 0.3735, 0.2835 by changing the saturation by 10% instead.


 46.9677, 0.3735,
0.2835


 46.9677, 0.3735,
0.2835


374.6856, 0.3435,
0.3056

 33.0101, 0.3808,
0.2782


 85.6654, 0.3627,
0.2914

 22.1342, 0.3902,
0.2715


 111.1743, 0.3586,
0.2944

 13.9555, 0.4025,
0.2628


141.3025, 0.3552,
0.2969

 8.0897, 0.4193,
0.2511

176.4343, 0.3522,
0.2991

 4.1524, 0.4437,
0.2344

216.9541, 0.3496,
0.3010

 1.7592, 0.4821,
0.2091

263.2463, 0.3473,

 0.4615, 0.5617,

0.3027

0.1495

315.6953, 0.3453,
0.3042

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

46.9677, 0.3735,
0.2835

46.9677, 0.3735,
0.2835

39.0643, 0.3962,
0.2732

56.7125, 0.3542,
0.2948

32.8775, 0.4223,
0.2648

68.3994, 0.3381,
0.3062

28.2778, 0.4510,
0.2596

82.1296, 0.3248,
0.3173

25.1139, 0.4811,
0.2590

97.9955, 0.3139,
0.3278

■ 23.2046, 0.5107,
0.2638

99.9979, 0.3127,
0.3290

■ 22.3146, 0.5349,
0.2720

Harmonies

Analogous

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



46.9677, 0.3095, 0.2497



46.9677, 0.3735, 0.2835



46.9677, 0.4226, 0.3280

Triad

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



46.9677, 0.3735, 0.2835



46.9677, 0.3667, 0.4431



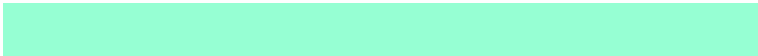
46.9677, 0.2015, 0.2634

Complementary

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



46.9677, 0.3735, 0.2835



82.7038, 0.2766, 0.3807

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.



46.9677, 0.2132, 0.3147



46.9677, 0.3735, 0.2835



46.9677, 0.3059, 0.4305

Square

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



46.9677, 0.3735, 0.2835



46.9677, 0.4157, 0.4192



46.9677, 0.2500, 0.3795



46.9677, 0.2150, 0.2362

Rectangle

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



46.9677, 0.3735, 0.2835



46.9677, 0.4370, 0.3601



46.9677, 0.2500, 0.3795



46.9677, 0.2025, 0.2780

Sweetspot

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



46.9700, 0.3735, 0.2835



80.9134, 0.3258, 0.3164



42.6662, 0.2798, 0.2155



16.9143, 0.3274, 0.3150



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.



46.9700, 0.3735, 0.2835



40.6312, 0.3910, 0.2753



47.5798, 0.4161, 0.3367



18.1133, 0.3228, 0.3191



11.6891, 0.5307, 0.2697



1.1593, 0.5013, 0.2535

Inverse Universe

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



46.9700, 0.3735, 0.2835



40.6312, 0.3910, 0.2753



80.8343, 0.2549, 0.3210



18.1133, 0.3228, 0.3191



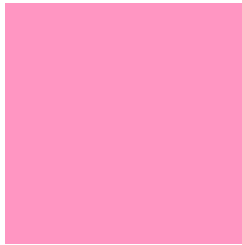
11.6891, 0.5307, 0.2697



1.1593, 0.5013, 0.2535

Previews

White Background



This preview shows how the Yxy color 46.9677, 0.3735, 0.2835 looks on a white background.

Color Contrast Check

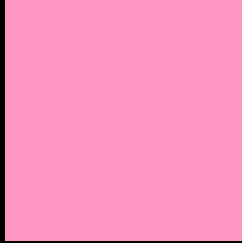
Large Text (above 18pt) WCAG AA × Fail

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 46.9677, 0.3735, 0.2835 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 46.9677, 0.3735, 0.2835

Background



This preview shows how black text looks on a background with the Yxy color 46.9677, 0.3735, 0.2835.



This preview shows how white text looks on a background with the Yxy color 46.9677, 0.3735, 0.2835.

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

46.9677, 0.3735, 0.2835

Protanopia

47.2499, 0.2848, 0.2876

Deuteranopia

47.1242, 0.3213, 0.3141



Tritanopia

46.9282, 0.3968, 0.3165

Trichromacy



Original Color

46.9677, 0.3735, 0.2835



Protanomaly

46.2336, 0.3130, 0.2848



Deuteranomaly

46.4591, 0.3396, 0.3009



Tritanomaly

46.8394, 0.3881, 0.3038

Monochromacy



Original Color

46.9677, 0.3735, 0.2835



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

47.4101, 0.3333, 0.3098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9677, 0.3735, 0.2835 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, 150, 194)` looks like.

```
.text, #text, p{  
    color:rgb(255, 150, 194)  
}
```

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, 150, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 150, 194) }
```

Border

The CSS property to change the border of an element to Yxy 46.9677, 0.3735, 0.2835 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, 150, 194) }
```

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

```
.border{ border-color:rgb(255, 150, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 150, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 150, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 150, 194);  
box-shadow:4px 4px 4px 4px rgb(255, 150,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9677, 0.3735, 0.2835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 150, 194) }
```

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

```
.background{ background-color: rgb(255,  
150, 194) }
```

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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