

Converting Colors

$Y_{xy}(86.5735, 0.4365, 0.3018)$

Have a look what the booklet for
Yxy(86.5735, 0.4365, 0.3018)
contains.

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Color

Yxy(57.6621, 0.3477, 0.2891)

Conversions

Conversions Part 1

Format	Color
Hex	FFB1D8
RGB	255, 177, 216
RGB Percent	100%, 69%, 85%
CMY	0.0001, 0.3058, 0.1529
CMYK	0.00, 0.31, 0.15, 0.00
HSL	330°, 100%, 85%
HSV	330°, 31%, 100%
XYZ	69.3501, 57.6621, 72.4416
YIQ	204.7680, 33.9690, 28.6650

Conversions

Conversions Part 2

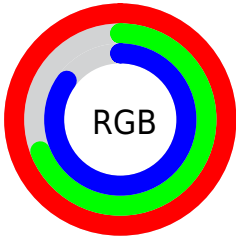
Format	Color
R _Y B	255, 177, 216
Decimal	16757208
CIE Lab	80.55, 33.97, -8.13
CIE LCh	81, 34.925, 346.536
Yxy	57.6621, 0.3477, 0.2891
Android (android.graphics.Color)	4294947288 (0xFFFFB1D8)
YUV	204.7680, 5.5374, 44.0535
Hunter-Lab	75.9356, 30.1324, -3.4071

Details

The Yxy color $57.6621, 0.3477, 0.2891$ is a light color, and the websafe version is hex FF99CC . A complement of this color would be $85.8111, 0.2880, 0.3729$, and the grayscale version is $60.8448, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.7578, 0.3137, 0.3078$, and $28.6094, 0.3566, 0.2792$ is the 20% darker color. If you saturate the color by 10%, you get $47.8805, 0.3639, 0.2757$, and if you desaturate by 10%, it is $69.3819, 0.3340, 0.3026$.

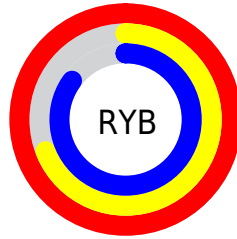
Distribution



Red (100%)

Green (69%)

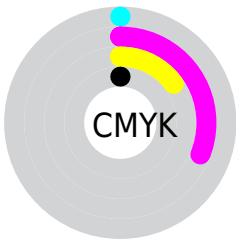
Blue (85%)



Red (100%)

Yellow (69%)

Blue (85%)

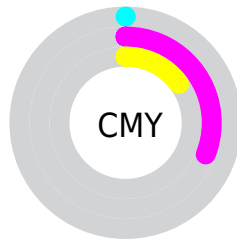


Cyan (0%)

Magenta (31%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (31%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.6621, 0.3477, 0.2891 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 57.6621, 0.3477, 0.2891 by changing the saturation by 10% instead.


 57.6621, 0.3477,
0.2891

 57.6621, 0.3477,
0.2891


415.9257, 0.3311,
0.3077

 41.5371, 0.3516,
0.2848


 101.4306, 0.3419,
0.2956

 28.7390, 0.3564,
0.2795

129.8429, 0.3396,
0.2981

 18.8834, 0.3626,
0.2727


163.1197, 0.3377,
0.3003

 11.5861, 0.3709,
0.2638

201.6455, 0.3361,
0.3022

 6.4625, 0.3824,
0.2516

245.8046, 0.3346,
0.3038

 3.1283, 0.3994,
0.2340


295.9813, 0.3333,

 1.1991, 0.4273,


0.3053


0.2061

352.5603, 0.3322,
0.3066


 0.0610, 0.5606,
0.0385


 0.0000, 0.0000,
0.0000

 57.6621, 0.3477,
0.2891

 57.6621, 0.3477,
0.2891


 47.8805, 0.3639,
0.2757


 69.3819, 0.3340,
0.3026


 39.9229, 0.3828,
0.2633

 83.1299, 0.3226,
0.3158

 33.6756, 0.4043,
0.2529

 99.0001, 0.3132,
0.3283

 29.0085, 0.4280,
0.2456

 99.9954, 0.3127,
0.3290

■ 25.7724, 0.4529,
0.2430

■ 23.7894, 0.4777,
0.2457

■ 22.8010, 0.5001,
0.2529

Harmonies

Analogous

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



57.6621, 0.3013, 0.2655



57.6621, 0.3477, 0.2891



57.6621, 0.3862, 0.3222

Triad

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



57.6621, 0.3477, 0.2891



57.6621, 0.3624, 0.4100



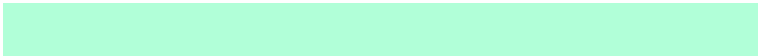
57.6621, 0.2298, 0.2889

Complementary

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



57.6621, 0.3477, 0.2891



85.8111, 0.2880, 0.3729

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.



57.6621, 0.2435, 0.3295



57.6621, 0.3477, 0.2891



57.6621, 0.3188, 0.4050

Square

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



57.6621, 0.3477, 0.2891



57.6621, 0.3940, 0.3912



57.6621, 0.2754, 0.3741



57.6621, 0.2360, 0.2634

Rectangle

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



57.6621, 0.3477, 0.2891



57.6621, 0.4006, 0.3465



57.6621, 0.2754, 0.3741



57.6621, 0.2321, 0.3011

Sweetspot

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



57.6647, 0.3477, 0.2891



85.5043, 0.3210, 0.3178



53.0711, 0.2852, 0.2453



17.8350, 0.3225, 0.3160



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.



57.6647, 0.3477, 0.2891



51.1734, 0.3578, 0.2805



55.9338, 0.3811, 0.3278



18.1386, 0.3215, 0.3172



11.9467, 0.4964, 0.2508



1.1853, 0.4710, 0.2368

Inverse Universe

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



57.6647, 0.3477, 0.2891



51.1734, 0.3578, 0.2805



87.9888, 0.2692, 0.3303



18.1386, 0.3215, 0.3172



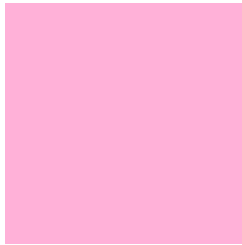
11.9467, 0.4964, 0.2508



1.1853, 0.4710, 0.2368

Previews

White Background



This preview shows how the Yxy color 57.6621, 0.3477, 0.2891 looks on a white background.

Color Contrast Check

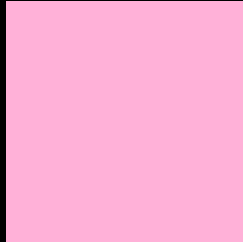
Large Text (above 18pt) WCAG AA × Fail

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 57.6621, 0.3477, 0.2891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

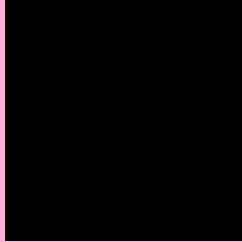
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.6621, 0.3477, 0.2891

Background



This preview shows how black text looks on a background with the Yxy color 57.6621, 0.3477, 0.2891.



This preview shows how white text looks on a background with the Yxy color 57.6621, 0.3477, 0.2891.

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

57.6621, 0.3477, 0.2891

Protanopia

58.1621, 0.2883, 0.2931

Deuteranopia

57.6838, 0.3145, 0.3073



Tritanopia

57.6833, 0.3626, 0.3144

Trichromacy



Original Color

57.6621, 0.3477, 0.2891



Protanomaly

57.4496, 0.3082, 0.2910



Deuteranomaly

57.4795, 0.3263, 0.3004



Tritanomaly

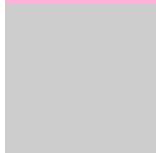
57.8370, 0.3567, 0.3051

Monochromacy



Original Color

57.6621, 0.3477, 0.2891



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

59.3216, 0.3246, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.6621, 0.3477, 0.2891 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, 177, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 177, 216)  
}
```

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, 177, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 177, 216) }
```

Border

The CSS property to change the border of an element to Yxy 57.6621, 0.3477, 0.2891 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, 177, 216) }
```

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

```
.border{ border-color:rgb(255, 177, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 177, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 177, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 177, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 177,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 57.6621, 0.3477, 0.2891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 177, 216) }
```

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

```
.background{ background-color: rgb(255,  
177, 216) }
```

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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