

Converting Colors

$Y_{xy}(58.7741, 0.3424, 0.2852)$

Have a look what the booklet for
Yxy(58.7741, 0.3424, 0.2852)
contains.

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Color

Yxy(58.7741, 0.3424, 0.2852)

Conversions

Conversions Part 1

Format	Color
Hex	FFB3DE
RGB	255, 179, 222
RGB Percent	100%, 70%, 87%
CMY	0.0000, 0.2981, 0.1293
CMYK	0.00, 0.30, 0.13, 0.00
HSL	326°, 100%, 85%
HSV	326°, 30%, 100%
XYZ	70.5619, 58.7741, 76.7443
YIQ	206.6260, 31.4930, 29.4850

Conversions

Conversions Part 2

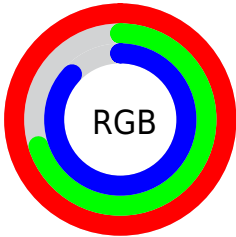
Format	Color
R _Y B	255, 179, 222
Decimal	16757726
CIE Lab	81.17, 33.91, -10.46
CIE LCh	81, 35.490, 342.861
Yxy	58.7741, 0.3424, 0.2852
Android (android.graphics.Color)	4294947806 (0xFFFFB3DE)
YUV	206.6260, 7.5794, 42.4240
Hunter-Lab	76.6643, 30.1292, -5.6869

Details

The Yxy color **58.7741, 0.3424, 0.2852** is a light color, and the websafe version is hex **FF99CC**, and the color name is **light hot pink**. A complement of this color would be **85.8525, 0.2912, 0.3775**, and the grayscale version is **62.0704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8967, 0.3136, 0.3097**, and **29.3276, 0.3492, 0.2743** is the 20% darker color. If you saturate the color by 10%, you get **48.8999, 0.3561, 0.2702**, and if you desaturate by 10%, it is **70.5608, 0.3306, 0.3004**.

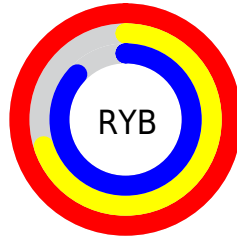
Distribution



Red (100%)

Green (70%)

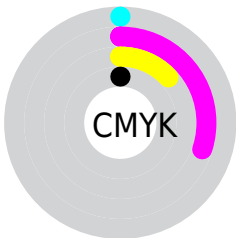
Blue (87%)



Red (100%)

Yellow (70%)

Blue (87%)

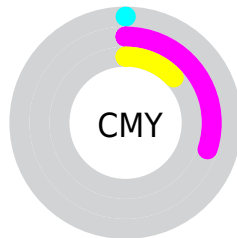


Cyan (0%)

Magenta (30%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (30%)

Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.7741, 0.3424, 0.2852 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 58.7741, 0.3424, 0.2852 by changing the saturation by 10% instead.


 58.7741, 0.3424,
0.2852

 58.7741, 0.3424,
0.2852


420.0643, 0.3285,
0.3055

 42.4313, 0.3456,
0.2806


 103.0493, 0.3376,
0.2922

 29.4392, 0.3496,
0.2749


131.7504, 0.3357,
0.2950

 19.4133, 0.3547,
0.2676


165.3398, 0.3341,
0.2973

 11.9693, 0.3613,
0.2582

204.2019, 0.3327,
0.2994

 6.7228, 0.3705,
0.2454

248.7209, 0.3314,
0.3012

 3.2893, 0.3839,
0.2270

299.2814, 0.3304,

 1.2846, 0.4051,

0.3028

0.1987

356.2677, 0.3294,
0.3042

0.1292, 0.4883,
0.0660

0.0000, 0.0000,
0.0000

58.7741, 0.3424,
0.2852

58.7741, 0.3424,
0.2852

48.8999, 0.3561,
0.2702

70.5608, 0.3306,
0.3004

40.8575, 0.3721,
0.2561

84.3815, 0.3208,
0.3152

34.5235, 0.3901,
0.2439

100.0000, 0.3127,
0.3290

29.7695, 0.4097,
0.2350

■ 26.4486, 0.4304,
0.2305

■ 24.3859, 0.4512,
0.2312

■ 23.3016, 0.4713,
0.2371

■ 23.2849, 0.4716,
0.2372

Harmonies

Analogous

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



58.7741, 0.2957, 0.2629



58.7741, 0.3424, 0.2852



58.7741, 0.3831, 0.3177

Triad

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



58.7741, 0.3424, 0.2852



58.7741, 0.3677, 0.4096



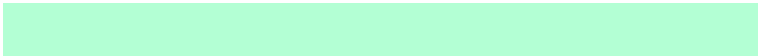
58.7741, 0.2296, 0.2928

Complementary

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



58.7741, 0.3424, 0.2852



85.8525, 0.2912, 0.3775

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.



58.7741, 0.2459, 0.3351



58.7741, 0.3424, 0.2852



58.7741, 0.3244, 0.4079

Square

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



58.7741, 0.3424, 0.2852



58.7741, 0.3973, 0.3882



58.7741, 0.2800, 0.3795



58.7741, 0.2334, 0.2650

Rectangle

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



58.7741, 0.3424, 0.2852



58.7741, 0.3997, 0.3421



58.7741, 0.2800, 0.3795



58.7741, 0.2329, 0.3057

Sweetspot

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



58.7660, 0.3424, 0.2852



85.5966, 0.3201, 0.3164



53.4364, 0.2832, 0.2469



17.8577, 0.3214, 0.3142



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.



58.7660, 0.3424, 0.2852



52.4406, 0.3506, 0.2758



56.9538, 0.3754, 0.3239



18.1594, 0.3205, 0.3156



12.1974, 0.4685, 0.2354



1.2096, 0.4469, 0.2236

Inverse Universe

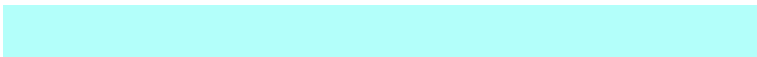
The Inverse Universe completely reimagines the original color for something new.



58.7660, 0.3424, 0.2852



52.4406, 0.3506, 0.2758



87.9989, 0.2720, 0.3344



18.1594, 0.3205, 0.3156



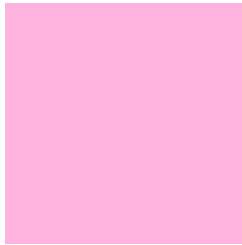
12.1974, 0.4685, 0.2354



1.2096, 0.4469, 0.2236

Previews

White Background



This preview shows how the Yxy color 58.7741, 0.3424, 0.2852 looks on a white background.

Color Contrast Check

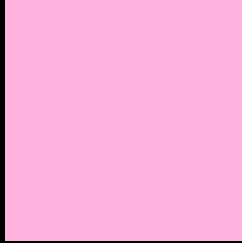
Large Text (above 18pt) WCAG AA × Fail

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 58.7741, 0.3424, 0.2852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

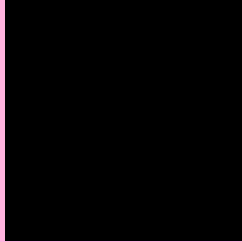
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.7741, 0.3424, 0.2852

Background



This preview shows how black text looks on a background with the Yxy color 58.7741, 0.3424, 0.2852.



This preview shows how white text looks on a background with the Yxy color 58.7741, 0.3424, 0.2852.

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

58.7741, 0.3424, 0.2852

Protanopia

58.9668, 0.2845, 0.2877

Deuteranopia

58.8905, 0.3100, 0.3030



Tritanopia

58.5936, 0.3604, 0.3144

Trichromacy



Original Color

58.7741, 0.3424, 0.2852



Protanomaly

58.2205, 0.3038, 0.2858



Deuteranomaly

58.6522, 0.3215, 0.2963



Tritanomaly

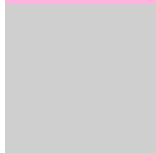
58.7948, 0.3537, 0.3041

Monochromacy



Original Color

58.7741, 0.3424, 0.2852



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

60.5333, 0.3230, 0.3124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.7741, 0.3424, 0.2852 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, 179, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 179, 222)  
}
```

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, 179, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 179, 222) }
```

Border

The CSS property to change the border of an element to Yxy 58.7741, 0.3424, 0.2852 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, 179, 222) }
```

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

```
.border{ border-color:rgb(255, 179, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 179, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 179, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 179, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 179,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 58.7741, 0.3424, 0.2852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 179, 222) }
```

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

```
.background{ background-color: rgb(255,  
179, 222) }
```

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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