

Converting Colors

$Y_{xy}(58.6675, 0.3440, 0.2872)$

Have a look what the booklet for
Yxy(58.6675, 0.3440, 0.2872)
contains.

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Color

Yxy(58.6675, 0.3440, 0.2872)

Conversions

Conversions Part 1

Format	Color
Hex	FFB3DC
RGB	255, 179, 220
RGB Percent	100%, 70%, 86%
CMY	0.0001, 0.2980, 0.1372
CMYK	0.00, 0.30, 0.14, 0.00
HSL	328°, 100%, 85%
HSV	328°, 30%, 100%
XYZ	70.2703, 58.6675, 75.3363
YIQ	206.3980, 32.1350, 28.8630

Conversions

Conversions Part 2

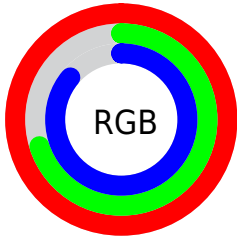
Format	Color
R _Y B	255, 179, 220
Decimal	16757724
CIE Lab	81.11, 33.54, -9.46
CIE LCh	81, 34.852, 344.242
Yxy	58.6675, 0.3440, 0.2872
Android (android.graphics.Color)	4294947804 (0xFFFFB3DC)
YUV	206.3980, 6.7058, 42.6240
Hunter-Lab	76.5947, 29.7205, -4.6996

Details

The Yxy color **58.6675, 0.3440, 0.2872** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **85.9397, 0.2902, 0.3751**, and the grayscale version is **61.9320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8967, 0.3136, 0.3097**, and **29.2542, 0.3515, 0.2768** is the 20% darker color. If you saturate the color by 10%, you get **48.7758, 0.3587, 0.2728**, and if you desaturate by 10%, it is **70.4978, 0.3316, 0.3017**.

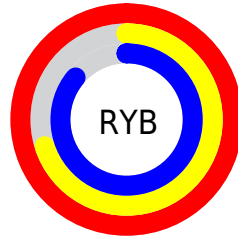
Distribution



Red (100%)

Green (70%)

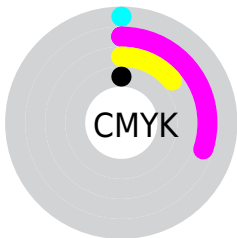
Blue (86%)



Red (100%)

Yellow (70%)

Blue (86%)

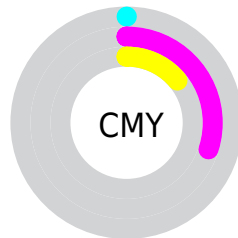


Cyan (0%)

Magenta (30%)

Yellow (14%)

Black (0%)



Cyan (0%)

Magenta (30%)

Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.6675, 0.3440, 0.2872 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 58.6675, 0.3440, 0.2872 by changing the saturation by 10% instead.


 58.6675, 0.3440,
0.2872

 58.6675, 0.3440,
0.2872

419.6686, 0.3293,
0.3066

 42.3455, 0.3474,
0.2828


 102.8943, 0.3389,
0.2939

 29.3719, 0.3517,
0.2773

131.5678, 0.3369,
0.2966

 19.3624, 0.3571,
0.2703


165.1274, 0.3352,
0.2988

 11.9324, 0.3642,
0.2612

203.9573, 0.3337,
0.3008

 6.6977, 0.3741,
0.2488

248.4420, 0.3324,
0.3025

 3.2738, 0.3886,
0.2310


298.9658, 0.3312,


 1.2763, 0.4119,

0.3040


0.2033

355.9132, 0.3302,
0.3054


 0.1227, 0.5056,
0.0661

 0.0000, 0.0000,
0.0000


 58.6675, 0.3440,
0.2872


 58.6675, 0.3440,
0.2872

 48.7758, 0.3587,
0.2728


 70.4978, 0.3316,
0.3017

 40.7093, 0.3757,
0.2593

 84.3557, 0.3212,
0.3159

 34.3556, 0.3950,
0.2478

99.9939, 0.3127,
0.3290

 29.5860, 0.4162,
0.2394

■ 26.2536, 0.4385,
0.2354

■ 24.1834, 0.4609,
0.2368

■ 23.0965, 0.4825,
0.2433

■ 23.0775, 0.4830,
0.2434

Harmonies

Analogous

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



58.6675, 0.2980, 0.2647



58.6675, 0.3440, 0.2872



58.6675, 0.3833, 0.3195

Triad

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



58.6675, 0.3440, 0.2872



58.6675, 0.3650, 0.4087



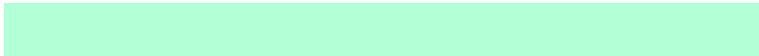
58.6675, 0.2307, 0.2919

Complementary

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



58.6675, 0.3440, 0.2872



85.9397, 0.2902, 0.3751

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.



58.6675, 0.2459, 0.3330



58.6675, 0.3440, 0.2872



58.6675, 0.3222, 0.4057

Square

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



58.6675, 0.3440, 0.2872



58.6675, 0.3950, 0.3886



58.6675, 0.2787, 0.3768



58.6675, 0.2354, 0.2652

Rectangle

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



58.6675, 0.3440, 0.2872



58.6675, 0.3988, 0.3437



58.6675, 0.2787, 0.3768



58.6675, 0.2336, 0.3044

Sweetspot

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



58.6702, 0.3440, 0.2872



85.5596, 0.3204, 0.3169



53.6420, 0.2842, 0.2472



17.8486, 0.3218, 0.3149



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.



58.6702, 0.3440, 0.2872



52.3166, 0.3528, 0.2782



56.9137, 0.3764, 0.3252



18.1511, 0.3209, 0.3162



12.0925, 0.4796, 0.2416



1.1995, 0.4565, 0.2288

Inverse Universe

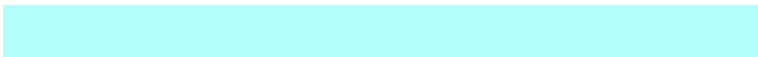
The Inverse Universe completely reimagines the original color for something new.



58.6702, 0.3440, 0.2872



52.3166, 0.3528, 0.2782



88.0616, 0.2714, 0.3330



18.1511, 0.3209, 0.3162



12.0925, 0.4796, 0.2416



1.1995, 0.4565, 0.2288

Previews

White Background



This preview shows how the Yxy color 58.6675, 0.3440, 0.2872 looks on a white background.

Color Contrast Check

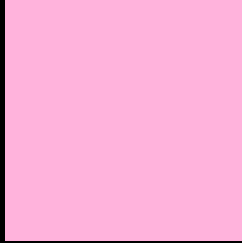
Large Text (above 18pt) WCAG AA × Fail

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 58.6675, 0.3440, 0.2872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

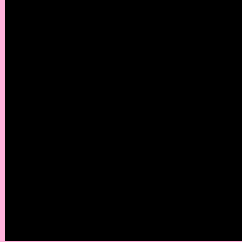
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.6675, 0.3440, 0.2872

Background



This preview shows how black text looks on a background with the Yxy color 58.6675, 0.3440, 0.2872.



This preview shows how white text looks on a background with the Yxy color 58.6675, 0.3440, 0.2872.

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

58.6675, 0.3440, 0.2872

Protanopia

58.9848, 0.2865, 0.2900

Deuteranopia

58.9367, 0.3123, 0.3053



Tritanopia

58.5936, 0.3604, 0.3144

Trichromacy



Original Color

58.6675, 0.3440, 0.2872



Protanomaly

58.1081, 0.3053, 0.2879



Deuteranomaly

58.7119, 0.3238, 0.2985



Tritanomaly

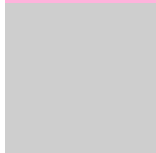
58.7463, 0.3546, 0.3052

Monochromacy



Original Color

58.6675, 0.3440, 0.2872



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

60.0303, 0.3238, 0.3123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.6675, 0.3440, 0.2872 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, 220)` looks like.

```
.text, #text, p{  
    color:rgb(255, 179, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 179, 220) }
```

Border

The CSS property to change the border of an element to Yxy 58.6675, 0.3440, 0.2872 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, 220) }
```

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

```
.border{ border-color:rgb(255, 179, 220) }
```

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, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 179, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 179, 220);  
box-shadow:4px 4px 4px 4px rgb(255, 179,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 58.6675, 0.3440, 0.2872 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, 220) }
```

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

```
.background{ background-color: rgb(255,  
179, 220) }
```

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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