

Converting Colors

$Y_{xy}(58.4711, 0.3453, 0.2881)$

Have a look what the booklet for
Yxy(58.4711, 0.3453, 0.2881)
contains.

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Color

Yxy(58.6147, 0.3449, 0.2882)

Conversions

Conversions Part 1

Format	Color
Hex	FFB3DB
RGB	255, 179, 219
RGB Percent	100%, 70%, 86%
CMY	0.0000, 0.2980, 0.1412
CMYK	0.00, 0.30, 0.14, 0.00
HSL	328°, 100%, 85%
HSV	328°, 30%, 100%
XYZ	70.1465, 58.6147, 74.6209
YIQ	206.2840, 32.4560, 28.5520

Conversions

Conversions Part 2

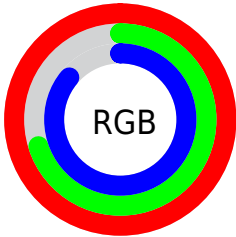
Format	Color
R _Y B	255, 179, 219
Decimal	16757723
CIE Lab	81.08, 33.40, -8.95
CIE LCh	81, 34.582, 344.995
Yxy	58.6147, 0.3449, 0.2882
Android (android.graphics.Color)	4294947803 (0xFFFFB3DB)
YUV	206.2840, 6.2690, 42.7239
Hunter-Lab	76.5602, 29.5659, -4.1959

Details

The Yxy color **58.6147, 0.3449, 0.2882** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **86.0118, 0.2896, 0.3739**, and the grayscale version is **61.8560, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8967, 0.3136, 0.3097**, and **29.2179, 0.3527, 0.2780** is the 20% darker color. If you saturate the color by 10%, you get **48.7080, 0.3600, 0.2742**, and if you desaturate by 10%, it is **70.4595, 0.3321, 0.3024**.

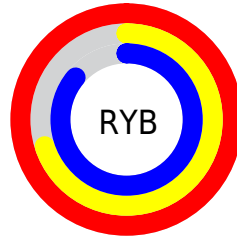
Distribution



Red (100%)

Green (70%)

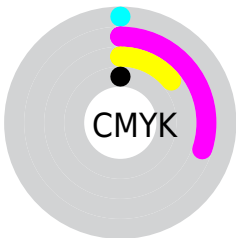
Blue (86%)



Red (100%)

Yellow (70%)

Blue (86%)

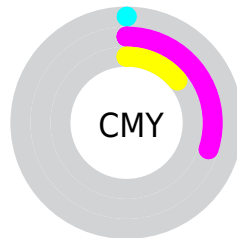


Cyan (0%)

Magenta (30%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (30%)

Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.6147, 0.3449, 0.2882 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 58.6147, 0.3449, 0.2882 by changing the saturation by 10% instead.

 58.6147, 0.3449,
0.2882

 58.6147, 0.3449,
0.2882

419.4726, 0.3298,
0.3072

 42.3030, 0.3484,
0.2839


 102.8175, 0.3396,
0.2948

 29.3386, 0.3528,
0.2785


131.4773, 0.3375,
0.2974

 19.3372, 0.3584,
0.2717


165.0221, 0.3358,
0.2996

 11.9141, 0.3658,
0.2627

203.8361, 0.3343,
0.3015

 6.6852, 0.3761,
0.2505

248.3037, 0.3329,
0.3032

 3.2660, 0.3912,
0.2329

298.8094, 0.3317,

 1.2722, 0.4156,

0.3046

0.2055

355.7376, 0.3307,
0.3060

0.1195, 0.5156,
0.0661

0.0000, 0.0000,
0.0000

58.6147, 0.3449,
0.2882

58.6147, 0.3449,
0.2882

48.7080, 0.3600,
0.2742

70.4595, 0.3321,
0.3024

40.6311, 0.3776,
0.2610

84.3367, 0.3214,
0.3162

34.2697, 0.3976,
0.2497

100.0000, 0.3127,
0.3290

29.4949, 0.4196,
0.2417

■ 26.1597, 0.4428,
0.2380

■ 24.0889, 0.4661,
0.2397

■ 23.0028, 0.4884,
0.2465

■ 22.9852, 0.4889,
0.2467

Harmonies

Analogous

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



58.6147, 0.2992, 0.2655



58.6147, 0.3449, 0.2882



58.6147, 0.3836, 0.3205

Triad

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



58.6147, 0.3449, 0.2882



58.6147, 0.3637, 0.4083



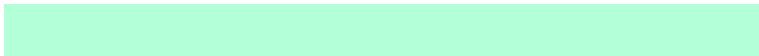
58.6147, 0.2311, 0.2913

Complementary

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



58.6147, 0.3449, 0.2882



86.0118, 0.2896, 0.3739

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.



58.6147, 0.2457, 0.3318



58.6147, 0.3449, 0.2882



58.6147, 0.3210, 0.4046

Square

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



58.6147, 0.3449, 0.2882



58.6147, 0.3939, 0.3889



58.6147, 0.2780, 0.3754



58.6147, 0.2363, 0.2652

Rectangle

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



58.6147, 0.3449, 0.2882



58.6147, 0.3986, 0.3445



58.6147, 0.2780, 0.3754



58.6147, 0.2338, 0.3036

Sweetspot

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



58.6156, 0.3449, 0.2882



85.5405, 0.3206, 0.3172



53.8290, 0.2851, 0.2474



17.8439, 0.3221, 0.3153



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.



58.6156, 0.3449, 0.2882



52.2533, 0.3540, 0.2794



56.8605, 0.3776, 0.3265



18.1468, 0.3211, 0.3166



12.0407, 0.4854, 0.2448



1.1945, 0.4614, 0.2316

Inverse Universe

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



58.6156, 0.3449, 0.2882



52.2533, 0.3540, 0.2794



88.1622, 0.2708, 0.3316



18.1468, 0.3211, 0.3166



12.0407, 0.4854, 0.2448



1.1945, 0.4614, 0.2316

Previews

White Background



This preview shows how the Yxy color 58.6147, 0.3449, 0.2882 looks on a white background.

Color Contrast Check

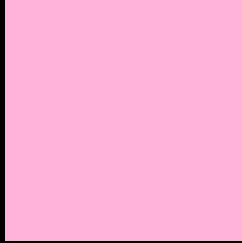
Large Text (above 18pt) WCAG AA × Fail

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 58.6147, 0.3449, 0.2882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

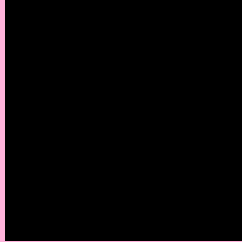
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.6147, 0.3449, 0.2882

Background



This preview shows how black text looks on a background with the Yxy color 58.6147, 0.3449, 0.2882.



This preview shows how white text looks on a background with the Yxy color 58.6147, 0.3449, 0.2882.

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

58.6147, 0.3449, 0.2882

Protanopia

58.8705, 0.2878, 0.2922

Deuteranopia

58.8848, 0.3130, 0.3064



Tritanopia

58.5936, 0.3604, 0.3144

Trichromacy



Original Color

58.6147, 0.3449, 0.2882



Protanomaly

57.9970, 0.3067, 0.2900



Deuteranomaly

58.6597, 0.3246, 0.2995



Tritanomaly

58.7463, 0.3546, 0.3052

Monochromacy



Original Color

58.6147, 0.3449, 0.2882



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 58.6147, 0.3449, 0.2882 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(255, 179, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 179, 219) }
```

Border

The CSS property to change the border of an element to Yxy 58.6147, 0.3449, 0.2882 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, 219) }
```

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

```
.border{ border-color:rgb(255, 179, 219) }
```

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, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 179, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 179, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 179,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 58.6147, 0.3449, 0.2882 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, 219) }
```

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

```
.background{ background-color: rgb(255,  
179, 219) }
```

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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