

Converting Colors

$Y_{xy}(58.6949, 0.3406, 0.2826)$

Have a look what the booklet for
Yxy(58.6949, 0.3406, 0.2826)
contains.

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Color

Yxy(58.8820, 0.3407, 0.2833)

Conversions

Conversions Part 1

Format	Color
Hex	FFB3E0
RGB	255, 179, 224
RGB Percent	100%, 70%, 88%
CMY	0.0000, 0.2980, 0.1216
CMYK	0.00, 0.30, 0.12, 0.00
HSL	324°, 100%, 85%
HSV	324°, 30%, 100%
XYZ	70.8122, 58.8820, 78.1491
YIQ	206.8540, 30.8510, 30.1070

Conversions

Conversions Part 2

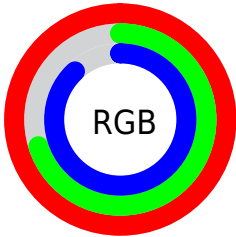
Format	Color
R _Y B	255, 179, 224
Decimal	16757728
CIE Lab	81.23, 34.19, -11.44
CIE LCh	81, 36.054, 341.507
Yxy	58.8820, 0.3407, 0.2833
Android (android.graphics.Color)	4294947808 (0xFFFFB3E0)
YUV	206.8540, 8.4530, 42.2240
Hunter-Lab	76.7346, 30.4377, -6.6687

Details

The Yxy color **58.8820, 0.3407, 0.2833** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **85.7553, 0.2922, 0.3798**, and the grayscale version is **62.2292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8967, 0.3136, 0.3097**, and **29.4021, 0.3469, 0.2718** is the 20% darker color. If you saturate the color by 10%, you get **49.0431, 0.3536, 0.2676**, and if you desaturate by 10%, it is **70.6507, 0.3297, 0.2991**.

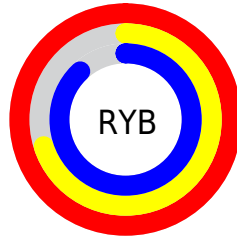
Distribution



Red (100%)

Green (70%)

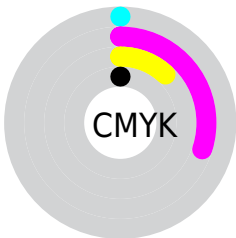
Blue (88%)



Red (100%)

Yellow (70%)

Blue (88%)

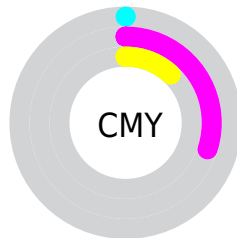


Cyan (0%)

Magenta (30%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (30%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.8820, 0.3407, 0.2833 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 58.8820, 0.3407, 0.2833 by changing the saturation by 10% instead.

 58.8820, 0.3407,
0.2833

 58.8820, 0.3407,
0.2833


420.4645, 0.3277,
0.3044

 42.5181, 0.3437,
0.2785

 103.2061, 0.3362,
0.2906

 29.5072, 0.3474,
0.2726

131.9352, 0.3344,
0.2935

 19.4649, 0.3521,
0.2651


165.5548, 0.3329,
0.2959

 12.0067, 0.3583,
0.2554

204.4493, 0.3316,
0.2980

 6.7482, 0.3667,
0.2422

249.0032, 0.3304,
0.2999

 3.3051, 0.3790,
0.2233


299.6007, 0.3294,

 1.2930, 0.3981,


0.3016


0.1945


356.6263, 0.3285,
0.3031

 0.1358, 0.4724,
0.0662


 0.0000, 0.0000,
0.0000


 58.8820, 0.3407,
0.2833


 58.8820, 0.3407,
0.2833

 49.0431, 0.3536,
0.2676


 70.6507, 0.3297,
0.2991

 41.0209, 0.3685,
0.2530

 84.4380, 0.3204,
0.3146

 34.7032, 0.3852,
0.2403

99.9990, 0.3127,
0.3290

 29.9616, 0.4034,
0.2308

■ 26.6494, 0.4225,
0.2257

■ 24.5919, 0.4417,
0.2259

■ 23.5101, 0.4603,
0.2310

■ 23.4921, 0.4606,
0.2311

Harmonies

Analogous

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



58.8820, 0.2933, 0.2613



58.8820, 0.3407, 0.2833



58.8820, 0.3827, 0.3158

Triad

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



58.8820, 0.3407, 0.2833



58.8820, 0.3702, 0.4102



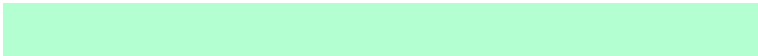
58.8820, 0.2288, 0.2939

Complementary

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



58.8820, 0.3407, 0.2833



85.7553, 0.2922, 0.3798

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.



58.8820, 0.2461, 0.3373



58.8820, 0.3407, 0.2833



58.8820, 0.3267, 0.4099

Square

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



58.8820, 0.3407, 0.2833



58.8820, 0.3994, 0.3877



58.8820, 0.2813, 0.3821



58.8820, 0.2317, 0.2649

Rectangle

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



58.8820, 0.3407, 0.2833



58.8820, 0.4002, 0.3405



58.8820, 0.2813, 0.3821



58.8820, 0.2323, 0.3072

Sweetspot

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



58.8847, 0.3407, 0.2833



85.6329, 0.3197, 0.3158



53.0781, 0.2814, 0.2465



17.8667, 0.3209, 0.3136



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.



58.8847, 0.3407, 0.2833



52.5637, 0.3485, 0.2735



57.0743, 0.3731, 0.3212



18.1676, 0.3201, 0.3150



12.3061, 0.4577, 0.2295



1.2199, 0.4378, 0.2185

Inverse Universe

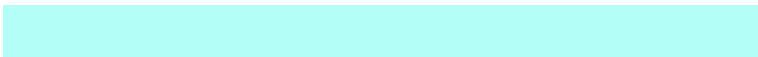
The Inverse Universe completely reimagines the original color for something new.



58.8847, 0.3407, 0.2833



52.5637, 0.3485, 0.2735



87.8416, 0.2733, 0.3371



18.1676, 0.3201, 0.3150



12.3061, 0.4577, 0.2295



1.2199, 0.4378, 0.2185

Previews

White Background



This preview shows how the Yxy color 58.8820, 0.3407, 0.2833 looks on a white background.

Color Contrast Check

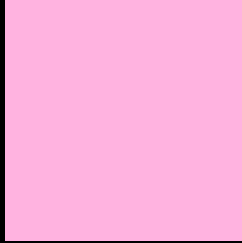
Large Text (above 18pt) WCAG AA × Fail

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 58.8820, 0.3407, 0.2833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

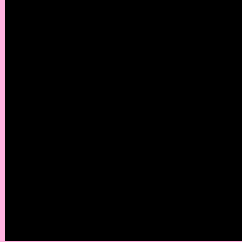
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.8820, 0.3407, 0.2833

Background



This preview shows how black text looks on a background with the Yxy color 58.8820, 0.3407, 0.2833.



This preview shows how white text looks on a background with the Yxy color 58.8820, 0.3407, 0.2833.

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

58.8820, 0.3407, 0.2833

Protanopia

59.0837, 0.2832, 0.2856

Deuteranopia

59.2991, 0.3078, 0.3019



Tritanopia

59.0536, 0.3593, 0.3144

Trichromacy



Original Color

58.8820, 0.3407, 0.2833



Protanomaly

58.3342, 0.3024, 0.2838



Deuteranomaly

58.5948, 0.3192, 0.2941



Tritanomaly

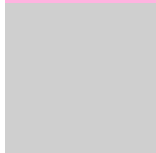
58.8435, 0.3529, 0.3031

Monochromacy



Original Color

58.8820, 0.3407, 0.2833



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

60.5839, 0.3222, 0.3113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.8820, 0.3407, 0.2833 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 179, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 179, 224) }
```

Border

The CSS property to change the border of an element to Yxy 58.8820, 0.3407, 0.2833 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, 224) }
```

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

```
.border{ border-color:rgb(255, 179, 224) }
```

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, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 179, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 179, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 179,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 58.8820, 0.3407, 0.2833 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, 224) }
```

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

```
.background{ background-color: rgb(255,  
179, 224) }
```

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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