

Converting Colors

$Y_{xy}(59.9700, 0.3407, 0.2829)$

Have a look what the booklet for
Yxy(59.9700, 0.3407, 0.2829)
contains.

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Color

Yxy(59.3935, 0.3389, 0.2824)

Conversions

Conversions Part 1

Format	Color
Hex	FFB4E2
RGB	255, 180, 226
RGB Percent	100%, 71%, 89%
CMY	0.0001, 0.2940, 0.1138
CMYK	0.00, 0.29, 0.11, 0.00
HSL	323°, 100%, 85%
HSV	323°, 29%, 100%
XYZ	71.2764, 59.3935, 79.6470
YIQ	207.6690, 29.9340, 30.2060

Conversions

Conversions Part 2

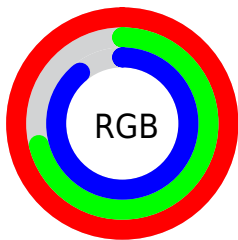
Format	Color
R _Y B	255, 180, 226
Decimal	16757986
CIE Lab	81.51, 33.97, -12.09
CIE LCh	82, 36.058, 340.412
Yxy	59.3935, 0.3389, 0.2824
Android (android.graphics.Color)	4294948066 (0xFFFFB4E2)
YUV	207.6690, 9.0372, 41.5093
Hunter-Lab	77.0672, 30.2201, -7.3277

Details

The Yxy color **59.3935, 0.3389, 0.2824** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **85.8063, 0.2933, 0.3809**, and the grayscale version is **62.7779, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4709, 0.3136, 0.3107**, and **29.7323, 0.3445, 0.2707** is the 20% darker color. If you saturate the color by 10%, you get **49.5038, 0.3511, 0.2662**, and if you desaturate by 10%, it is **71.2131, 0.3285, 0.2987**.

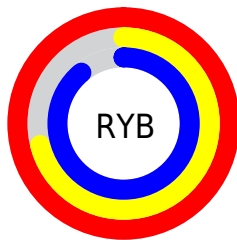
Distribution



Red (100%)

Green (71%)

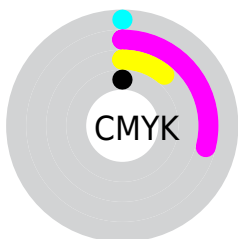
Blue (89%)



Red (100%)

Yellow (71%)

Blue (89%)

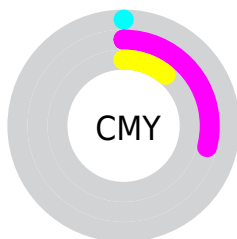


Cyan (0%)

Magenta (29%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (29%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.3935, 0.3389, 0.2824 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 59.3935, 0.3389, 0.2824 by changing the saturation by 10% instead.


 59.3935, 0.3389,
0.2824

 59.3935, 0.3389,
0.2824

422.3586, 0.3268,
0.3039

 42.9300, 0.3417,
0.2775


 103.9494, 0.3347,
0.2898

 29.8302, 0.3451,
0.2715


132.8105, 0.3331,
0.2927

 19.7097, 0.3494,
0.2640


166.5729, 0.3316,
0.2952

 12.1842, 0.3551,
0.2541

205.6210, 0.3304,
0.2974

 6.8693, 0.3628,
0.2409

250.3393, 0.3293,
0.2993

 3.3805, 0.3739,
0.2220


301.1120, 0.3284,

 1.3334, 0.3910,


0.3010


0.1932


358.3237, 0.3275,
0.3025


 0.1669, 0.4547,
0.0761


 0.0000, 0.0000,
0.0000


 59.3935, 0.3389,
0.2824

 59.3935, 0.3389,
0.2824

 49.5038, 0.3511,
0.2662


 71.2131, 0.3285,
0.2987

 41.4315, 0.3650,
0.2510

 85.0509, 0.3197,
0.3147

 35.0647, 0.3807,
0.2378

99.9929, 0.3127,
0.3290

 30.2760, 0.3977,
0.2277

■ 26.9197, 0.4154,
0.2220

■ 24.8227, 0.4333,
0.2214

■ 23.7198, 0.4507,
0.2259

■ 23.6657, 0.4517,
0.2262

Harmonies

Analogous

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



59.3935, 0.2918, 0.2609



59.3935, 0.3389, 0.2824



59.3935, 0.3812, 0.3146

Triad

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



59.3935, 0.3389, 0.2824



59.3935, 0.3714, 0.4095



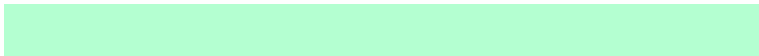
59.3935, 0.2293, 0.2954

Complementary

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



59.3935, 0.3389, 0.2824



85.8063, 0.2933, 0.3809

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.



59.3935, 0.2473, 0.3390



59.3935, 0.3389, 0.2824



59.3935, 0.3283, 0.4101

Square

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



59.3935, 0.3389, 0.2824



59.3935, 0.3999, 0.3864



59.3935, 0.2830, 0.3834



59.3935, 0.2315, 0.2658

Rectangle

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



59.3935, 0.3389, 0.2824



59.3935, 0.3993, 0.3391



59.3935, 0.2830, 0.3834



59.3935, 0.2331, 0.3088

Sweetspot

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



59.3962, 0.3389, 0.2824



85.6629, 0.3194, 0.3153



53.3899, 0.2810, 0.2476



17.8741, 0.3205, 0.3130



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.



59.3962, 0.3389, 0.2824



53.6348, 0.3455, 0.2733



57.5701, 0.3709, 0.3200



18.1743, 0.3198, 0.3145



12.4001, 0.4490, 0.2247



1.2288, 0.4304, 0.2144

Inverse Universe

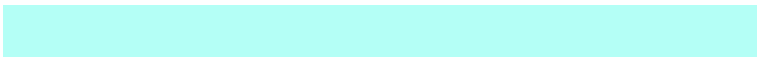
The Inverse Universe completely reimagines the original color for something new.



59.3962, 0.3389, 0.2824



53.6348, 0.3455, 0.2733



87.8699, 0.2743, 0.3384



18.1743, 0.3198, 0.3145



12.4001, 0.4490, 0.2247



1.2288, 0.4304, 0.2144

Previews

White Background



This preview shows how the Yxy color 59.3935, 0.3389, 0.2824 looks on a white background.

Color Contrast Check

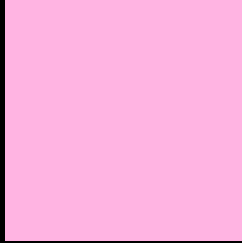
Large Text (above 18pt) WCAG AA × Fail

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 59.3935, 0.3389, 0.2824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

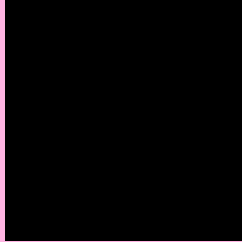
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.3935, 0.3389, 0.2824

Background



This preview shows how black text looks on a background with the Yxy color 59.3935, 0.3389, 0.2824.



This preview shows how white text looks on a background with the Yxy color 59.3935, 0.3389, 0.2824.

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

59.3935, 0.3389, 0.2824

Protanopia

59.6667, 0.2820, 0.2846

Deuteranopia

59.4064, 0.3064, 0.2997



Tritanopia

59.5169, 0.3582, 0.3145

Trichromacy



Original Color

59.3935, 0.3389, 0.2824



Protanomaly

58.8898, 0.3010, 0.2828



Deuteranomaly

59.1374, 0.3176, 0.2931



Tritanomaly

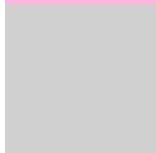
59.3531, 0.3510, 0.3021

Monochromacy



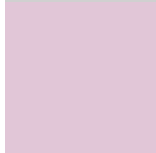
Original Color

59.3935, 0.3389, 0.2824



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

61.3020, 0.3214, 0.3103

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.3935, 0.3389, 0.2824 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, 180, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 180, 226)  
}
```

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, 180, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 180, 226) }
```

Border

The CSS property to change the border of an element to Yxy 59.3935, 0.3389, 0.2824 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, 180, 226) }
```

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

```
.border{ border-color:rgb(255, 180, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 180, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 180, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 180, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 180,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 59.3935, 0.3389, 0.2824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 180, 226) }
```

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

```
.background{ background-color: rgb(255,  
180, 226) }
```

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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