

Converting Colors

$Y_{xy}(65.5334, 0.3425, 0.2975)$

Have a look what the booklet for
Yxy(65.5334, 0.3425, 0.2975)
contains.

Yxy(64.7817, 0.3389, 0.2976)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.7817, 0.3389, 0.2976)

Conversions

Conversions Part 1

Format	Color
Hex	FFC1E0
RGB	255, 193, 224
RGB Percent	100%, 76%, 88%
CMY	0.0000, 0.2432, 0.1216
CMYK	0.00, 0.24, 0.12, 0.00
HSL	330°, 100%, 88%
HSV	330°, 24%, 100%
XYZ	73.7719, 64.7817, 79.1268
YIQ	215.0720, 27.0010, 22.7850

Conversions

Conversions Part 2

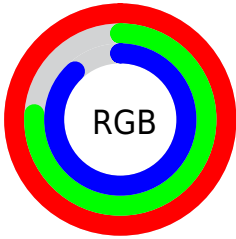
Format	Color
R _Y B	255, 193, 224
Decimal	16761312
CIE Lab	84.37, 26.87, -6.76
CIE LCh	84, 27.705, 345.881
Yxy	64.7817, 0.3389, 0.2976
Android (android.graphics.Color)	4294951392 (0xFFFFC1E0)
YUV	215.0720, 4.4015, 35.0169
Hunter-Lab	80.4871, 22.7550, -1.9470

Details

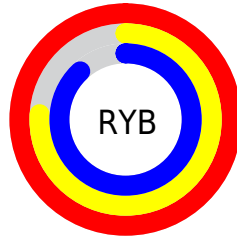
The Yxy color **64.7817, 0.3389, 0.2976** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.2388, 0.2927, 0.3628**, and the grayscale version is **67.9577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8512, 0.3129, 0.3242**, and **33.3356, 0.3454, 0.2901** is the 20% darker color. If you saturate the color by 10%, you get **53.7935, 0.3535, 0.2841**, and if you desaturate by 10%, it is **77.7585, 0.3267, 0.3109**.

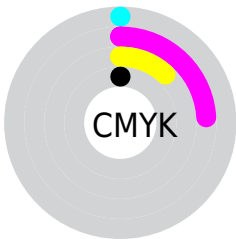
Distribution



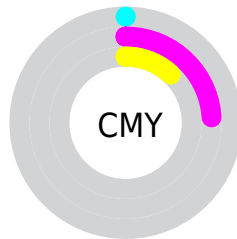
- Red (100%)
- Green (76%)
- Blue (88%)



- Red (100%)
- Yellow (76%)
- Blue (88%)



- Cyan (0%)
- Magenta (24%)
- Yellow (12%)
- Black (0%)





- Cyan (0%)
- Magenta (24%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.7817, 0.3389, 0.2976 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 64.7817, 0.3389, 0.2976 by changing the saturation by 10% instead.

 64.7817, 0.3389,
0.2976

 64.7817, 0.3389,
0.2976


442.0071, 0.3267,
0.3121

 47.2841, 0.3417,
0.2943


 111.7360, 0.3347,
0.3026

 33.2603, 0.3452,
0.2903


141.9614, 0.3330,
0.3046

 22.3259, 0.3496,
0.2851


177.1982, 0.3316,
0.3062

 14.0966, 0.3554,
0.2785

217.8308, 0.3304,
0.3077

 8.1879, 0.3634,
0.2694

264.2436, 0.3293,
0.3090

 4.2154, 0.3749,
0.2564

316.8210, 0.3283,

 1.7948, 0.3933,

0.3101

0.2363

375.9474, 0.3275,
0.3112

0.4839, 0.4359,
0.1840

0.0000, 1.0000,
0.0000

64.7817, 0.3389,
0.2976

64.7817, 0.3389,
0.2976

53.7935, 0.3535,
0.2841

77.7585, 0.3267,
0.3109

44.7035, 0.3707,
0.2710

92.8280, 0.3165,
0.3237

37.3984, 0.3906,
0.2591

100.0000, 0.3127,
0.3290

31.7571, 0.4130,
0.2497

■ 27.6432, 0.4373,
0.2441

■ 24.8983, 0.4623,
0.2434

■ 23.3286, 0.4868,
0.2482

■ 22.8043, 0.5002,
0.2529

Harmonies

Analogous

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



64.7817, 0.3036, 0.2791



64.7817, 0.3389, 0.2976



64.7817, 0.3681, 0.3237

Triad

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



64.7817, 0.3389, 0.2976



64.7817, 0.3520, 0.3905



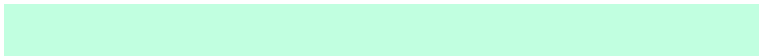
64.7817, 0.2483, 0.2996

Complementary

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



64.7817, 0.3389, 0.2976



88.2388, 0.2927, 0.3628

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.



64.7817, 0.2598, 0.3307



64.7817, 0.3389, 0.2976



64.7817, 0.3188, 0.3862

Square

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



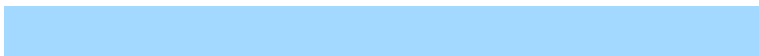
64.7817, 0.3389, 0.2976



64.7817, 0.3754, 0.3771



64.7817, 0.2851, 0.3636



64.7817, 0.2529, 0.2789

Rectangle

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



64.7817, 0.3389, 0.2976



64.7817, 0.3793, 0.3429



64.7817, 0.2851, 0.3636



64.7817, 0.2504, 0.3091

Sweetspot

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



64.7782, 0.3389, 0.2976



88.5735, 0.3191, 0.3204



61.2039, 0.2926, 0.2639



18.7582, 0.3196, 0.3196



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.



64.7782, 0.3389, 0.2976



59.3907, 0.3454, 0.2913



63.2471, 0.3640, 0.3292



18.1385, 0.3215, 0.3172



11.9459, 0.4965, 0.2509



1.1852, 0.4711, 0.2369

Inverse Universe

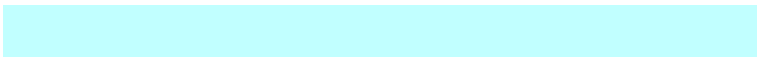
The Inverse Universe completely reimagines the original color for something new.



64.7782, 0.3389, 0.2976



59.3907, 0.3454, 0.2913



90.0766, 0.2768, 0.3289



18.1385, 0.3215, 0.3172



11.9459, 0.4965, 0.2509



1.1852, 0.4711, 0.2369

Previews

White Background



This preview shows how the Yxy color 64.7817, 0.3389, 0.2976 looks on a white background.

Color Contrast Check

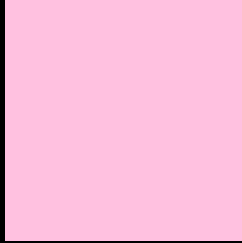
Large Text (above 18pt) WCAG AA × Fail

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 64.7817, 0.3389, 0.2976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

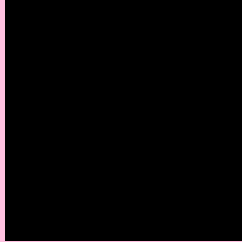
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.7817, 0.3389, 0.2976

Background



This preview shows how black text looks on a background with the Yxy color 64.7817, 0.3389, 0.2976.



This preview shows how white text looks on a background with the Yxy color 64.7817, 0.3389, 0.2976.

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

64.7817, 0.3389, 0.2976

Protanopia

64.9513, 0.2952, 0.3012

Deuteranopia

65.1053, 0.3166, 0.3105



Tritanopia

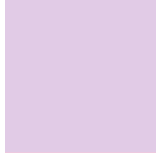
64.5660, 0.3480, 0.3136

Trichromacy



Original Color

64.7817, 0.3389, 0.2976



Protanomaly

64.4326, 0.3103, 0.2998



Deuteranomaly

65.1055, 0.3246, 0.3057



Tritanomaly

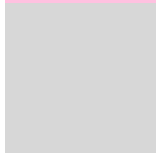
64.5607, 0.3450, 0.3075

Monochromacy



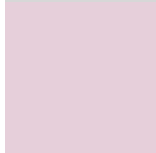
Original Color

64.7817, 0.3389, 0.2976



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

66.5106, 0.3223, 0.3171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.7817, 0.3389, 0.2976 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, 193, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 193, 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, 193, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 193, 224) }
```

Border

The CSS property to change the border of an element to Yxy 64.7817, 0.3389, 0.2976 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, 193, 224) }
```

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

```
.border{ border-color:rgb(255, 193, 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, 193, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 193, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 193, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 193,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 64.7817, 0.3389, 0.2976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 193, 224) }
```

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

```
.background{ background-color: rgb(255,  
193, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor