

Converting Colors

$Y_{xy}(79.9565, 0.3777, 0.3097)$

Have a look what the booklet for
Yxy(79.9565, 0.3777, 0.3097)
contains.

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Color

Yxy(68.8829, 0.3377, 0.3068)

Conversions

Conversions Part 1

Format	Color
Hex	FFCAE0
RGB	255, 202, 224
RGB Percent	100%, 79%, 88%
CMY	0.0000, 0.2079, 0.1216
CMYK	0.00, 0.21, 0.12, 0.00
HSL	335°, 100%, 90%
HSV	335°, 21%, 100%
XYZ	75.8206, 68.8829, 79.8171
YIQ	220.3550, 24.5260, 18.0780

Conversions

Conversions Part 2

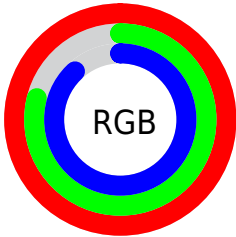
Format	Color
R _Y B	255, 202, 224
Decimal	16763616
CIE Lab	86.45, 22.14, -3.70
CIE LCh	86, 22.447, 350.507
Yxy	68.8829, 0.3377, 0.3068
Android (android.graphics.Color)	4294953696 (0xFFFFCAE0)
YUV	220.3550, 1.7970, 30.3837
Hunter-Lab	82.9957, 17.8258, 1.0778

Details

The Yxy color **68.8829, 0.3377, 0.3068** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **89.9595, 0.2931, 0.3524**, and the grayscale version is **71.8032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.0501, 0.3437, 0.3019** is the 20% darker color. If you saturate the color by 10%, you get **57.1136, 0.3538, 0.2955**, and if you desaturate by 10%, it is **82.6977, 0.3244, 0.3178**.

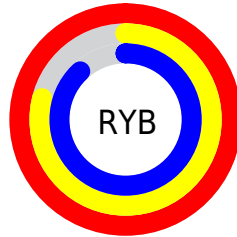
Distribution



Red (100%)

Green (79%)

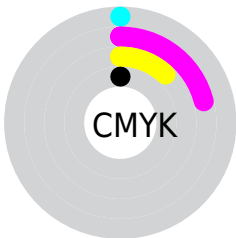
Blue (88%)



Red (100%)

Yellow (79%)

Blue (88%)

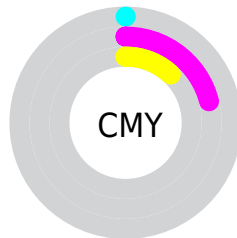


Cyan (0%)

Magenta (21%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (21%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.8829, 0.3377, 0.3068 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 68.8829, 0.3377, 0.3068 by changing the saturation by 10% instead.

 68.8829, 0.3377,
0.3068

 68.8829, 0.3377,
0.3068


456.6179, 0.3261,
0.3170

 50.6163, 0.3404,
0.3045

117.6143, 0.3337,
0.3103

 35.9034, 0.3437,
0.3016


148.8480, 0.3321,
0.3117

 24.3596, 0.3478,
0.2980


185.1727, 0.3308,
0.3129

 15.6006, 0.3533,
0.2933

226.9731, 0.3296,
0.3139

 9.2420, 0.3609,
0.2869

274.6334, 0.3286,
0.3149

 4.8993, 0.3718,
0.2777

328.5380, 0.3276,

 2.1883, 0.3890,

0.3157

0.2634

389.0714, 0.3268,
0.3164

0.7136, 0.4219,
0.2356

0.0000, 1.0000,
0.0000

68.8829, 0.3377,
0.3068

68.8829, 0.3377,
0.3068

57.1136, 0.3538,
0.2955

82.6977, 0.3244,
0.3178

47.2949, 0.3731,
0.2843

98.6539, 0.3135,
0.3282

39.3183, 0.3958,
0.2740

100.0000, 0.3127,
0.3290

33.0662, 0.4220,
0.2656

■ 28.4075, 0.4508,
0.2604

■ 25.1916, 0.4812,
0.2597

■ 23.2387, 0.5110,
0.2643

■ 22.2972, 0.5364,
0.2729

Harmonies

Analogous

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



68.8829, 0.3100, 0.2906



68.8829, 0.3377, 0.3068



68.8829, 0.3592, 0.3287

Triad

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



68.8829, 0.3377, 0.3068



68.8829, 0.3405, 0.3781



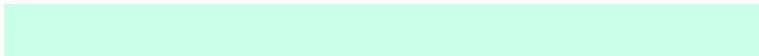
68.8829, 0.2608, 0.3028

Complementary

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



68.8829, 0.3377, 0.3068



89.9595, 0.2931, 0.3524

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.



68.8829, 0.2682, 0.3266



68.8829, 0.3377, 0.3068



68.8829, 0.3135, 0.3719

Square

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



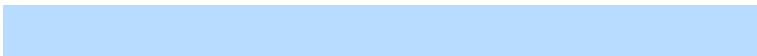
68.8829, 0.3377, 0.3068



68.8829, 0.3605, 0.3699



68.8829, 0.2872, 0.3526



68.8829, 0.2664, 0.2875

Rectangle

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



68.8829, 0.3377, 0.3068



68.8829, 0.3665, 0.3441



68.8829, 0.2872, 0.3526



68.8829, 0.2618, 0.3100

Sweetspot

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



68.8816, 0.3377, 0.3068



90.0606, 0.3189, 0.3229



66.7694, 0.2992, 0.2746



19.0553, 0.3196, 0.3222



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

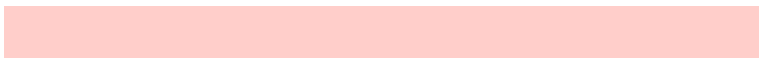
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.8816, 0.3377, 0.3068



63.6775, 0.3441, 0.3020



69.8667, 0.3537, 0.3337



18.1121, 0.3229, 0.3192



11.6789, 0.5322, 0.2706



1.1583, 0.5027, 0.2543

Inverse Universe

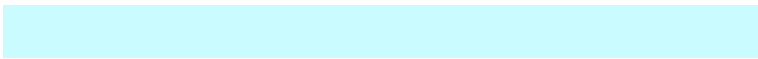
The Inverse Universe completely reimagines the original color for something new.



68.8816, 0.3377, 0.3068



63.6775, 0.3441, 0.3020



88.5104, 0.2813, 0.3243



18.1121, 0.3229, 0.3192



11.6789, 0.5322, 0.2706



1.1583, 0.5027, 0.2543

Previews

White Background



This preview shows how the Yxy color 68.8829, 0.3377, 0.3068 looks on a white background.

Color Contrast Check

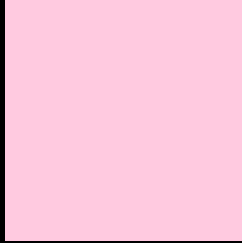
Large Text (above 18pt) WCAG AA × Fail

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 68.8829, 0.3377, 0.3068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

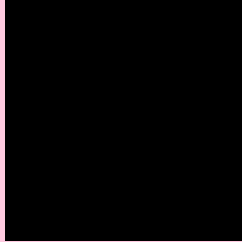
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.8829, 0.3377, 0.3068

Background



This preview shows how black text looks on a background with the Yxy color 68.8829, 0.3377, 0.3068.



This preview shows how white text looks on a background with the Yxy color 68.8829, 0.3377, 0.3068.

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

68.8829, 0.3377, 0.3068

Protanopia

69.0260, 0.3022, 0.3105

Deuteranopia

69.0293, 0.3230, 0.3163



Tritanopia

68.8972, 0.3406, 0.3128

Trichromacy



Original Color

68.8829, 0.3377, 0.3068

Protanomaly

68.5733, 0.3144, 0.3088

Deuteranomaly

68.8306, 0.3279, 0.3123

Tritanomaly

69.0032, 0.3390, 0.3108

Monochromacy



Original Color

68.8829, 0.3377, 0.3068

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

70.1326, 0.3220, 0.3205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8829, 0.3377, 0.3068 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, 202, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 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, 202, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 224) }
```

Border

The CSS property to change the border of an element to Yxy 68.8829, 0.3377, 0.3068 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, 202, 224) }
```

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

```
.border{ border-color:rgb(255, 202, 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, 202, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8829, 0.3377, 0.3068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 224) }
```

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

```
.background{ background-color: rgb(255,  
202, 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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