

Converting Colors

$Y_{xy}(67.8165, 0.3330, 0.2970)$

Have a look what the booklet for
Yxy(67.8165, 0.3330, 0.2970)
contains.

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Color

Yxy(67.8764, 0.3328, 0.2968)

Conversions

Conversions Part 1

Format	Color
Hex	FFC7E7
RGB	255, 199, 231
RGB Percent	100%, 78%, 91%
CMY	0.0000, 0.2197, 0.0940
CMYK	0.00, 0.22, 0.09, 0.00
HSL	326°, 100%, 89%
HSV	326°, 22%, 100%
XYZ	76.1094, 67.8764, 84.7083
YIQ	219.3920, 23.1040, 21.8240

Conversions

Conversions Part 2

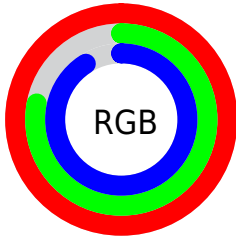
Format	Color
R _Y B	255, 199, 231
Decimal	16762855
CIE Lab	85.94, 24.89, -8.18
CIE LCh	86, 26.197, 341.812
Yxy	67.8764, 0.3328, 0.2968
Android (android.graphics.Color)	4294952935 (0xFFFFC7E7)
YUV	219.3920, 5.7227, 31.2282
Hunter-Lab	82.3871, 20.7211, -3.2894

Details

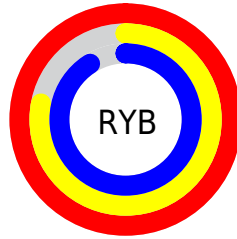
The Yxy color $67.8764, 0.3328, 0.2968$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $88.9835, 0.2967, 0.3636$, and the grayscale version is $71.0619, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $35.3517, 0.3381, 0.2904$ is the 20% darker color. If you saturate the color by 10%, you get $56.5024, 0.3447, 0.2814$, and if you desaturate by 10%, it is $81.2333, 0.3226, 0.3119$.

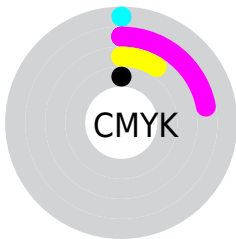
Distribution



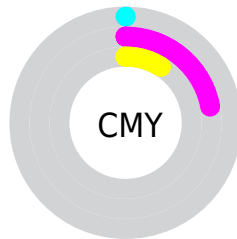
- Red (100%)
- Green (78%)
- Blue (91%)



- Red (100%)
- Yellow (78%)
- Blue (91%)



- Cyan (0%)
- Magenta (22%)
- Yellow (9%)
- Black (0%)




- Cyan (0%)
- Magenta (22%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.8764, 0.3328, 0.2968 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 67.8764, 0.3328, 0.2968 by changing the saturation by 10% instead.


 67.8764, 0.3328,
0.2968

 67.8764, 0.3328,
0.2968


453.0580, 0.3236,
0.3115

 49.7972, 0.3349,
0.2935

116.1753, 0.3296,
0.3019

 35.2523, 0.3375,
0.2894


147.1638, 0.3284,
0.3038

 23.8573, 0.3407,
0.2843


183.2242, 0.3273,
0.3055

 15.2278, 0.3449,
0.2777

224.7408, 0.3264,
0.3070

 8.9794, 0.3506,
0.2689

272.0981, 0.3256,
0.3083

 4.7277, 0.3588,
0.2563

325.6805, 0.3248,

 2.0884, 0.3713,

0.3095

0.2373

385.8723, 0.3242,
0.3106

0.6581, 0.3953,
0.2006

0.0000, 0.6858,
0.0000

67.8764, 0.3328,
0.2968

67.8764, 0.3328,
0.2968

56.5024, 0.3447,
0.2814

81.2333, 0.3226,
0.3119

47.0449, 0.3588,
0.2664

96.6971, 0.3142,
0.3263

39.3861, 0.3749,
0.2525

100.0000, 0.3127,
0.3290

33.4084, 0.3930,
0.2408

■ 28.9799, 0.4126,
0.2326

■ 25.9486, 0.4330,
0.2290

■ 24.1316, 0.4533,
0.2309

■ 23.3314, 0.4691,
0.2358

Harmonies

Analogous

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



67.8764, 0.2999, 0.2808



67.8764, 0.3328, 0.2968



67.8764, 0.3613, 0.3206

Triad

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



67.8764, 0.3328, 0.2968



67.8764, 0.3531, 0.3854



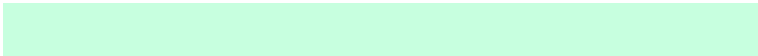
67.8764, 0.2531, 0.3052

Complementary

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



67.8764, 0.3328, 0.2968



88.9835, 0.2967, 0.3636

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.



67.8764, 0.2658, 0.3350



67.8764, 0.3328, 0.2968



67.8764, 0.3229, 0.3837

Square

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



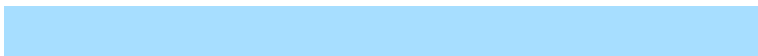
67.8764, 0.3328, 0.2968



67.8764, 0.3730, 0.3713



67.8764, 0.2910, 0.3647



67.8764, 0.2553, 0.2842

Rectangle

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



67.8764, 0.3328, 0.2968



67.8764, 0.3732, 0.3385



67.8764, 0.2910, 0.3647



67.8764, 0.2558, 0.3145

Sweetspot

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



67.8656, 0.3327, 0.2968



88.6530, 0.3183, 0.3191



63.6346, 0.2916, 0.2701



18.7766, 0.3188, 0.3182



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.



67.8656, 0.3327, 0.2968



63.0518, 0.3373, 0.2906



66.4372, 0.3540, 0.3243



18.1613, 0.3204, 0.3155



12.2217, 0.4660, 0.2341



1.2119, 0.4448, 0.2224

Inverse Universe

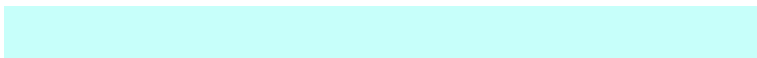
The Inverse Universe completely reimagines the original color for something new.



67.8656, 0.3327, 0.2968



63.0518, 0.3373, 0.2906



90.5814, 0.2823, 0.3338



18.1613, 0.3204, 0.3155



12.2217, 0.4660, 0.2341



1.2119, 0.4448, 0.2224

Previews

White Background



This preview shows how the Yxy color 67.8764, 0.3328, 0.2968 looks on a white background.

Color Contrast Check

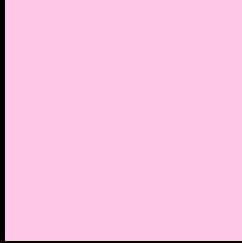
Large Text (above 18pt) WCAG AA × Fail

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 67.8764, 0.3328, 0.2968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

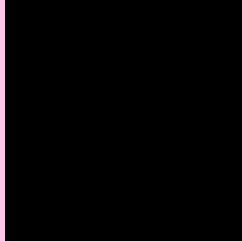
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.8764, 0.3328, 0.2968

Background



This preview shows how black text looks on a background with the Yxy color 67.8764, 0.3328, 0.2968.



This preview shows how white text looks on a background with the Yxy color 67.8764, 0.3328, 0.2968.

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

67.8764, 0.3328, 0.2968

Protanopia

68.3815, 0.2943, 0.3007

Deuteranopia

68.0811, 0.3145, 0.3077



Tritanopia

67.6657, 0.3416, 0.3127

Trichromacy



Original Color

67.8764, 0.3328, 0.2968

Protanomaly

68.2093, 0.3075, 0.2993

Deuteranomaly

67.7265, 0.3207, 0.3029

Tritanomaly

67.6533, 0.3387, 0.3067

Monochromacy



Original Color

67.8764, 0.3328, 0.2968

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

69.5705, 0.3199, 0.3173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8764, 0.3328, 0.2968 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, 199, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 231)  
}
```

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, 199, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 231) }
```

Border

The CSS property to change the border of an element to Yxy 67.8764, 0.3328, 0.2968 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, 199, 231) }
```

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

```
.border{ border-color:rgb(255, 199, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8764, 0.3328, 0.2968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 231) }
```

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

```
.background{ background-color: rgb(255,  
199, 231) }
```

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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