

Converting Colors

$Y_{xy}(72.6008, 0.3541, 0.3088)$

Have a look what the booklet for
Yxy(72.6008, 0.3541, 0.3088)
contains.

Yxy(68.8288, 0.3384, 0.3078)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.8288, 0.3384, 0.3078)

Conversions

Conversions Part 1

Format	Color
Hex	FFCADF
RGB	255, 202, 223
RGB Percent	100%, 79%, 87%
CMY	0.0001, 0.2078, 0.1255
CMYK	0.00, 0.21, 0.13, 0.00
HSL	336°, 100%, 90%
HSV	336°, 21%, 100%
XYZ	75.6714, 68.8288, 79.1151
YIQ	220.2410, 24.8470, 17.7670

Conversions

Conversions Part 2

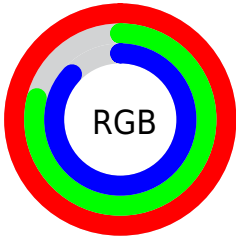
Format	Color
R _Y B	255, 202, 223
Decimal	16763615
CIE Lab	86.42, 21.95, -3.22
CIE LCh	86, 22.185, 351.660
Yxy	68.8288, 0.3384, 0.3078
Android (android.graphics.Color)	4294953695 (0xFFFFCADF)
YUV	220.2410, 1.3602, 30.4836
Hunter-Lab	82.9631, 17.6260, 1.5342

Details

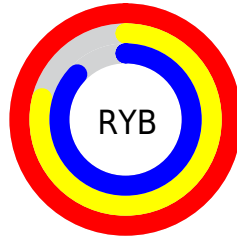
The Yxy color **68.8288, 0.3384, 0.3078** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **89.9972, 0.2926, 0.3513**, and the grayscale version is **71.7253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.0127, 0.3447, 0.3031** is the 20% darker color. If you saturate the color by 10%, you get **57.0450, 0.3550, 0.2970**, and if you desaturate by 10%, it is **82.6709, 0.3247, 0.3183**.

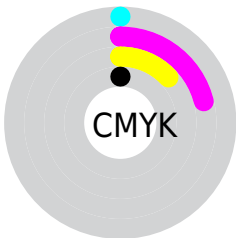
Distribution



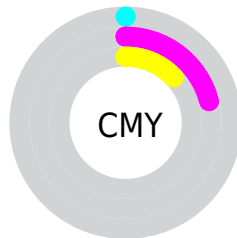
- Red (100%)
- Green (79%)
- Blue (87%)



- Red (100%)
- Yellow (79%)
- Blue (87%)



- Cyan (0%)
- Magenta (21%)
- Yellow (13%)
- Black (0%)





- Cyan (0%)
- Magenta (21%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.8288, 0.3384, 0.3078 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 68.8288, 0.3384, 0.3078 by changing the saturation by 10% instead.


 68.8288, 0.3384,
0.3078

 68.8288, 0.3384,
0.3078


456.4269, 0.3265,
0.3176

 50.5723, 0.3411,
0.3056


117.5370, 0.3342,
0.3112

 35.8683, 0.3445,
0.3028

148.7575, 0.3326,
0.3125

 24.3325, 0.3489,
0.2993


185.0681, 0.3312,
0.3136

 15.5805, 0.3545,
0.2948

226.8533, 0.3300,
0.3146

 9.2278, 0.3623,
0.2886

274.4973, 0.3290,
0.3155

 4.8901, 0.3736,
0.2798


328.3847, 0.3280,


 2.1829, 0.3916,


0.3163


0.2659


388.8998, 0.3272,
0.3170


 0.7106, 0.4258,
0.2386


 0.0000, 1.0000,
0.0000


 68.8288, 0.3384,
0.3078


 68.8288, 0.3384,
0.3078

 57.0450, 0.3550,
0.2970


 82.6709, 0.3247,
0.3183

 47.2112, 0.3750,
0.2863

 98.6541, 0.3135,
0.3283

 39.2233, 0.3986,
0.2765

 99.9937, 0.3127,
0.3290

 32.9635, 0.4257,
0.2685

■ 28.3005, 0.4557,
0.2637

■ 25.0836, 0.4872,
0.2634

■ 23.1327, 0.5180,
0.2683

■ 22.1949, 0.5441,
0.2771

Harmonies

Analogous

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



68.8288, 0.3111, 0.2915



68.8288, 0.3384, 0.3078



68.8288, 0.3592, 0.3296

Triad

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



68.8288, 0.3384, 0.3078



68.8288, 0.3392, 0.3775



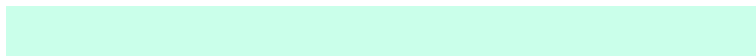
68.8288, 0.2613, 0.3023

Complementary

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



68.8288, 0.3384, 0.3078



89.9972, 0.2926, 0.3513

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.



68.8288, 0.2681, 0.3256



68.8288, 0.3384, 0.3078



68.8288, 0.3125, 0.3709

Square

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



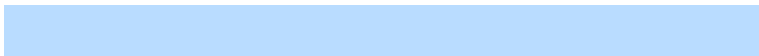
68.8288, 0.3384, 0.3078



68.8288, 0.3594, 0.3700



68.8288, 0.2866, 0.3514



68.8288, 0.2674, 0.2876

Rectangle

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



68.8288, 0.3384, 0.3078



68.8288, 0.3661, 0.3449



68.8288, 0.2866, 0.3514



68.8288, 0.2622, 0.3094

Sweetspot

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



68.8319, 0.3384, 0.3078



90.0431, 0.3191, 0.3231



66.9243, 0.2998, 0.2747



19.0512, 0.3198, 0.3225



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.



68.8319, 0.3384, 0.3078



63.6157, 0.3451, 0.3032



70.2967, 0.3535, 0.3346



18.1064, 0.3232, 0.3196



11.6281, 0.5399, 0.2748



1.1530, 0.5096, 0.2581

Inverse Universe

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



68.8319, 0.3384, 0.3078



63.6157, 0.3451, 0.3032



87.9446, 0.2813, 0.3234



18.1064, 0.3232, 0.3196



11.6281, 0.5399, 0.2748



1.1530, 0.5096, 0.2581

Previews

White Background



This preview shows how the Yxy color 68.8288, 0.3384, 0.3078 looks on a white background.

Color Contrast Check

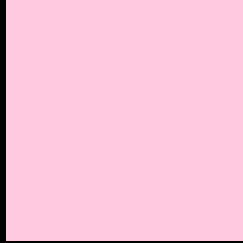
Large Text (above 18pt) WCAG AA × Fail

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 68.8288, 0.3384, 0.3078 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 68.8288, 0.3384, 0.3078

Background



This preview shows how black text looks on a background with the Yxy color 68.8288, 0.3384, 0.3078.



This preview shows how white text looks on a background with the Yxy color 68.8288, 0.3384, 0.3078.

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

68.8288, 0.3384, 0.3078

Protanopia

68.9693, 0.3028, 0.3115

Deuteranopia

69.0293, 0.3230, 0.3163



Tritanopia

68.8447, 0.3413, 0.3138

Trichromacy



Original Color

68.8288, 0.3384, 0.3078

Protanomaly

68.5176, 0.3151, 0.3098

Deuteranomaly

68.7768, 0.3286, 0.3134

Tritanomaly

68.9500, 0.3398, 0.3118

Monochromacy



Original Color

68.8288, 0.3384, 0.3078

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 68.8288, 0.3384, 0.3078 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, 223)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 223)  
}
```

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, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 223) }
```

Border

The CSS property to change the border of an element to Yxy 68.8288, 0.3384, 0.3078 is called "border". The border property can be set on classes, ids or directly on the HTML element.

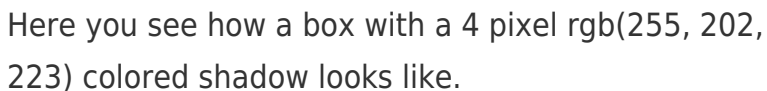
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 202, 223) }
```

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

```
.border{ border-color:rgb(255, 202, 223) }
```

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, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 202, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 202, 223); box-shadow:4px 4px 4px 4px rgb(255, 202, 223) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 68.8288, 0.3384, 0.3078$ 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, 223) }
```

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

```
.background{ background-color: rgb(255,  
202, 223) }
```

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