

Converting Colors

$Y_{xy}(75.7685, 0.3735, 0.3202)$

Have a look what the booklet for
Yxy(75.7685, 0.3735, 0.3202)
contains.

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Color

Yxy(68.7253, 0.3467, 0.3199)

Conversions

Conversions Part 1

Format	Color
Hex	FFCBD4
RGB	255, 203, 212
RGB Percent	100%, 80%, 83%
CMY	0.0000, 0.2039, 0.1686
CMYK	0.00, 0.20, 0.17, 0.00
HSL	350°, 100%, 90%
HSV	350°, 20%, 100%
XYZ	74.4828, 68.7253, 71.6256
YIQ	219.5740, 28.1030, 13.8230

Conversions

Conversions Part 2

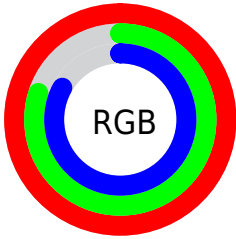
Format	Color
R _Y B	255, 203, 212
Decimal	16763860
CIE Lab	86.37, 19.73, 2.56
CIE LCh	86, 19.898, 7.381
Yxy	68.7253, 0.3467, 0.3199
Android (android.graphics.Color)	4294953940 (0xFFFFCBD4)
YUV	219.5740, -3.7340, 31.0686
Hunter-Lab	82.9007, 15.2985, 6.8044

Details

The Yxy color **68.7253, 0.3467, 0.3199** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **90.8706, 0.2868, 0.3384**, and the grayscale version is **71.2692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.9350, 0.3558, 0.3186** is the 20% darker color. If you saturate the color by 10%, you get **56.6603, 0.3696, 0.3151**, and if you desaturate by 10%, it is **82.9111, 0.3282, 0.3245**.

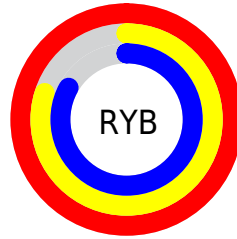
Distribution



Red (100%)

Green (80%)

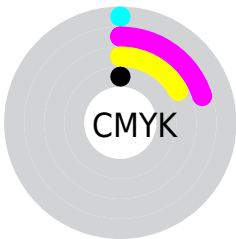
Blue (83%)



Red (100%)

Yellow (80%)

Blue (83%)

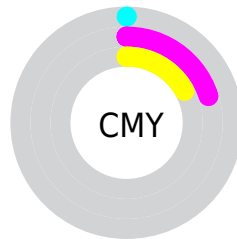


Cyan (0%)

Magenta (20%)

Yellow (17%)

Black (0%)



Cyan (0%)


Magenta (20%)

Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.7253, 0.3467, 0.3199 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 68.7253, 0.3467, 0.3199 by changing the saturation by 10% instead.


 68.7253, 0.3467,
0.3199

 68.7253, 0.3467,
0.3199


456.0615, 0.3307,
0.3243

 50.4880, 0.3504,
0.3189


117.3891, 0.3411,
0.3214

 35.8013, 0.3550,
0.3176

148.5845, 0.3390,
0.3220

 24.2808, 0.3609,
0.3159


184.8680, 0.3371,
0.3225

 15.5420, 0.3687,
0.3136

226.6240, 0.3355,
0.3230

 9.2007, 0.3794,
0.3105

274.2370, 0.3341,
0.3234

 4.8723, 0.3952,
0.3057

328.0913, 0.3328,

 2.1725, 0.4208,

0.3237

0.2977

388.5714, 0.3317,
0.3240

0.7050, 0.4794,
0.2837

0.0000, 1.0000,
0.0000

68.7253, 0.3467,
0.3199

68.7253, 0.3467,
0.3199

56.6603, 0.3696,
0.3151

82.9111, 0.3282,
0.3245

46.6125, 0.3977,
0.3105

99.3113, 0.3132,
0.3288

38.4717, 0.4315,
0.3065

100.0000, 0.3127,
0.3290

32.1169, 0.4706,
0.3037

■ 27.4128, 0.5131,
0.3030

■ 24.2048, 0.5554,
0.3053

■ 22.3087, 0.5921,
0.3107

■ 21.4428, 0.6180,
0.3178

Harmonies

Analogous

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



68.7253, 0.3244, 0.3020



68.7253, 0.3467, 0.3199



68.7253, 0.3597, 0.3405

Triad

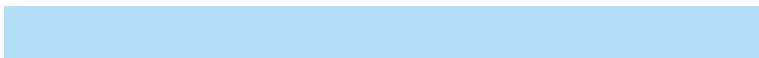
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.7253, 0.3467, 0.3199



68.7253, 0.3244, 0.3709



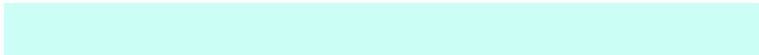
68.7253, 0.2678, 0.2970

Complementary

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



68.7253, 0.3467, 0.3199



90.8706, 0.2868, 0.3384

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.



68.7253, 0.2679, 0.3145



68.7253, 0.3467, 0.3199



68.7253, 0.2999, 0.3584

Square

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



68.7253, 0.3467, 0.3199



68.7253, 0.3463, 0.3708



68.7253, 0.2794, 0.3372



68.7253, 0.2792, 0.2887

Rectangle

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



68.7253, 0.3467, 0.3199



68.7253, 0.3611, 0.3535



68.7253, 0.2794, 0.3372



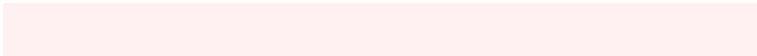
68.7253, 0.2665, 0.3019

Sweetspot

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



68.7259, 0.3467, 0.3199



89.8354, 0.3212, 0.3265



69.4290, 0.3082, 0.2771



19.0022, 0.3222, 0.3262



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

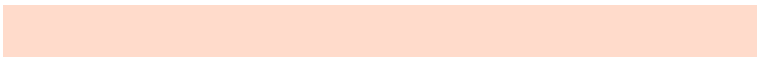
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.7259, 0.3467, 0.3199



64.1330, 0.3544, 0.3182



76.4792, 0.3503, 0.3459



18.0384, 0.3267, 0.3249



11.2191, 0.6147, 0.3160



1.1059, 0.5863, 0.3004

Inverse Universe

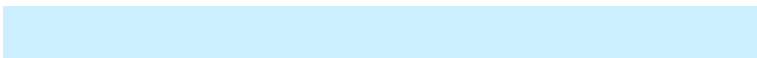
The Inverse Universe completely reimagines the original color for something new.



68.7259, 0.3467, 0.3199



64.1330, 0.3544, 0.3182



81.3770, 0.2810, 0.3115



18.0384, 0.3267, 0.3249



11.2191, 0.6147, 0.3160



1.1059, 0.5863, 0.3004

Previews

White Background



This preview shows how the Yxy color 68.7253, 0.3467, 0.3199 looks on a white background.

Color Contrast Check

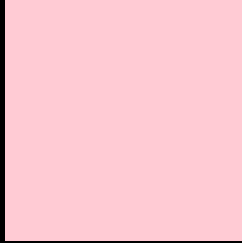
Large Text (above 18pt) WCAG AA × Fail

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 68.7253, 0.3467, 0.3199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

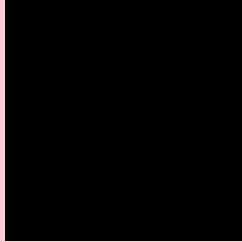
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.7253, 0.3467, 0.3199

Background



This preview shows how black text looks on a background with the Yxy color 68.7253, 0.3467, 0.3199.

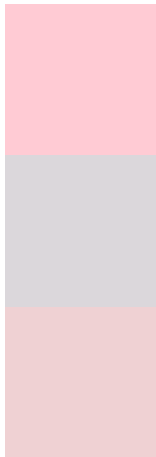


This preview shows how white text looks on a background with the Yxy color 68.7253, 0.3467, 0.3199.

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

68.7253, 0.3467, 0.3199

Protanopia

68.7754, 0.3129, 0.3246

Deuteranopia

68.6548, 0.3341, 0.3269



Tritanopia

68.5630, 0.3422, 0.3128

Trichromacy



Original Color

68.7253, 0.3467, 0.3199

Protanomaly

68.7022, 0.3249, 0.3237

Deuteranomaly

68.7413, 0.3390, 0.3249

Tritanomaly

68.4589, 0.3438, 0.3148

Monochromacy



Original Color

68.7253, 0.3467, 0.3199

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

70.4265, 0.3247, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7253, 0.3467, 0.3199 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, 203, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 212)  
}
```

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, 203, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 212) }
```

Border

The CSS property to change the border of an element to Yxy 68.7253, 0.3467, 0.3199 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, 203, 212) }
```

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

```
.border{ border-color:rgb(255, 203, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 203, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7253, 0.3467, 0.3199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 203, 212) }
```

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

```
.background{ background-color: rgb(255,  
203, 212) }
```

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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