

Converting Colors

$Y_{xy}(81.4110, 0.3901, 0.3196)$

Have a look what the booklet for
Yxy(81.4110, 0.3901, 0.3196)
contains.

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Color

Yxy(68.8269, 0.3451, 0.3179)

Conversions

Conversions Part 1

Format	Color
Hex	FFCBD6
RGB	255, 203, 214
RGB Percent	100%, 80%, 84%
CMY	0.0002, 0.2038, 0.1608
CMYK	0.00, 0.20, 0.16, 0.00
HSL	347°, 100%, 90%
HSV	347°, 20%, 100%
XYZ	74.7158, 68.8269, 72.9621
YIQ	219.8020, 27.4610, 14.4450

Conversions

Conversions Part 2

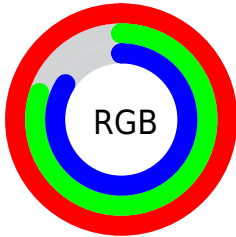
Format	Color
R _Y B	255, 203, 214
Decimal	16763862
CIE Lab	86.42, 20.00, 1.57
CIE LCh	86, 20.057, 4.484
Yxy	68.8269, 0.3451, 0.3179
Android (android.graphics.Color)	4294953942 (0xFFFFCBD6)
YUV	219.8020, -2.8604, 30.8686
Hunter-Lab	82.9620, 15.5742, 5.9299

Details

The Yxy color **68.8269, 0.3451, 0.3179** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **90.7113, 0.2879, 0.3404**, and the grayscale version is **71.4298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.0039, 0.3537, 0.3160** is the 20% darker color. If you saturate the color by 10%, you get **56.7955, 0.3669, 0.3121**, and if you desaturate by 10%, it is **82.9712, 0.3274, 0.3235**.

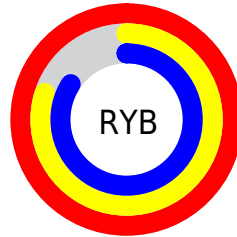
Distribution



Red (100%)

Green (80%)

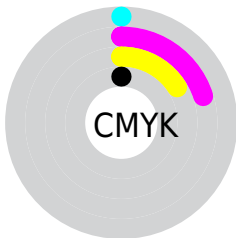
Blue (84%)



Red (100%)

Yellow (80%)

Blue (84%)

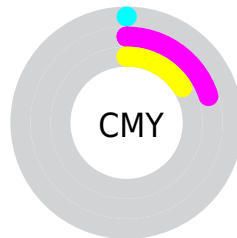


Cyan (0%)

Magenta (20%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.8269, 0.3451, 0.3179 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 68.8269, 0.3451, 0.3179 by changing the saturation by 10% instead.

 68.8269, 0.3451,
0.3179

 68.8269, 0.3451,
0.3179


456.4202, 0.3299,
0.3232

 50.5707, 0.3486,
0.3167

117.5343, 0.3398,
0.3198

 35.8671, 0.3530,
0.3151

148.7543, 0.3377,
0.3205

 24.3316, 0.3586,
0.3131


185.0645, 0.3360,
0.3211

 15.5798, 0.3660,
0.3105

226.8491, 0.3344,
0.3216

 9.2273, 0.3761,
0.3068

274.4926, 0.3331,
0.3221

 4.8897, 0.3911,
0.3014

328.3793, 0.3319,

 2.1827, 0.4152,

0.3225

0.2924

388.8937, 0.3309,
0.3228

0.7105, 0.4674,
0.2753

0.0000, 1.0000,
0.0000

68.8269, 0.3451,
0.3179

68.8269, 0.3451,
0.3179

56.7955, 0.3669,
0.3121

82.9712, 0.3274,
0.3235

46.7665, 0.3936,
0.3064

99.3136, 0.3132,
0.3288

38.6333, 0.4255,
0.3014

99.9882, 0.3127,
0.3290

32.2757, 0.4626,
0.2977

■ 27.5596, 0.5033,
0.2965

■ 24.3318, 0.5443,
0.2986

■ 22.4096, 0.5811,
0.3045

■ 21.5132, 0.6086,
0.3126

Harmonies

Analogous

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



68.8269, 0.3221, 0.3004



68.8269, 0.3451, 0.3179



68.8269, 0.3594, 0.3386

Triad

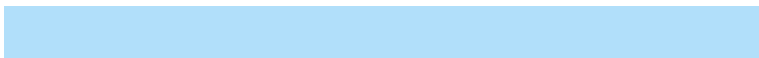
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.8269, 0.3451, 0.3179



68.8269, 0.3268, 0.3718



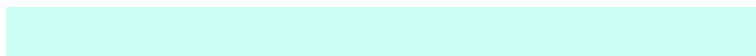
68.8269, 0.2670, 0.2981

Complementary

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



68.8269, 0.3451, 0.3179



90.7113, 0.2879, 0.3404

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.



68.8269, 0.2682, 0.3164



68.8269, 0.3451, 0.3179



68.8269, 0.3021, 0.3604

Square

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



68.8269, 0.3451, 0.3179



68.8269, 0.3483, 0.3704



68.8269, 0.2808, 0.3395



68.8269, 0.2774, 0.2888

Rectangle

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



68.8269, 0.3451, 0.3179



68.8269, 0.3617, 0.3519



68.8269, 0.2808, 0.3395



68.8269, 0.2661, 0.3033

Sweetspot

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



68.8300, 0.3451, 0.3179



89.8706, 0.3208, 0.3259



69.1209, 0.3069, 0.2769



19.0105, 0.3218, 0.3255



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

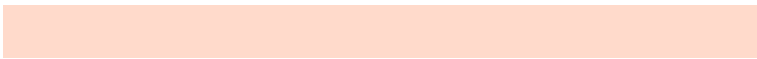
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.8300, 0.3451, 0.3179



64.2463, 0.3525, 0.3158



75.5688, 0.3506, 0.3441



18.0498, 0.3261, 0.3240



11.2647, 0.6050, 0.3106



1.1119, 0.5747, 0.2940

Inverse Universe

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



68.8300, 0.3451, 0.3179



64.2463, 0.3525, 0.3158



82.3733, 0.2812, 0.3134



18.0498, 0.3261, 0.3240



11.2647, 0.6050, 0.3106



1.1119, 0.5747, 0.2940

Previews

White Background



This preview shows how the Yxy color 68.8269, 0.3451, 0.3179 looks on a white background.

Color Contrast Check

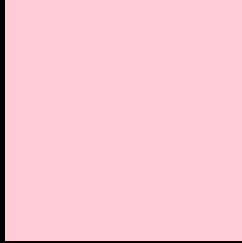
Large Text (above 18pt) WCAG AA × Fail

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 68.8269, 0.3451, 0.3179 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 68.8269, 0.3451, 0.3179

Background



This preview shows how black text looks on a background with the Yxy color 68.8269, 0.3451, 0.3179.

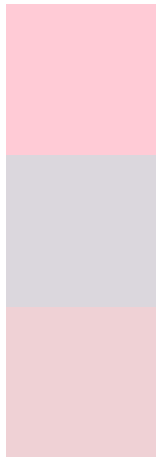


This preview shows how white text looks on a background with the Yxy color 68.8269, 0.3451, 0.3179.

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

68.8269, 0.3451, 0.3179

Protanopia

68.8814, 0.3116, 0.3224

Deuteranopia

68.7557, 0.3326, 0.3248



Tritanopia

69.0338, 0.3421, 0.3138

Trichromacy



Original Color

68.8269, 0.3451, 0.3179

Protanomaly

68.8063, 0.3235, 0.3215

Deuteranomaly

68.8422, 0.3375, 0.3228

Tritanomaly

68.9816, 0.3429, 0.3148

Monochromacy



Original Color

68.8269, 0.3451, 0.3179

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

70.4787, 0.3240, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8269, 0.3451, 0.3179 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, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 214)  
}
```

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, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 214) }
```

Border

The CSS property to change the border of an element to Yxy 68.8269, 0.3451, 0.3179 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, 214) }
```

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

```
.border{ border-color:rgb(255, 203, 214) }
```

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, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8269, 0.3451, 0.3179 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, 214) }
```

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

```
.background{ background-color: rgb(255,  
203, 214) }
```

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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