

# Converting Colors

$Y_{xy}(68.3902, 0.3574, 0.3350)$

Have a look what the booklet for  
Yxy(68.3902, 0.3574, 0.3350)  
contains.

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# Color

**Yxy(68.5229, 0.3574, 0.3353)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCCC6
RGB	255, 204, 198
RGB Percent	100%, 80%, 78%
CMY	0.0000, 0.2001, 0.2235
CMYK	0.00, 0.20, 0.22, 0.00
HSL	6°, 100%, 89%
HSV	6°, 22%, 100%
XYZ	73.0393, 68.5229, 62.8007
YIQ	218.5650, 32.3220, 8.9460

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	255, 205, 198
Decimal	16764102
CIE Lab	86.27, 17.17, 9.84
CIE LCh	86, 19.790, 29.823
Yxy	68.5229, 0.3574, 0.3353
Android (android.graphics.Color)	4294954182 (0xFFFFCCC6)
YUV	218.5650, -10.1385, 31.9535
Hunter-Lab	82.7786, 12.6363, 12.9641

# Details

The Yxy color **68.5229, 0.3574, 0.3353** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **86.9842, 0.2790, 0.3226**, and the grayscale version is **70.5692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.6966, 0.3680, 0.3371** is the 20% darker color. If you saturate the color by 10%, you get **57.3727, 0.3850, 0.3383**, and if you desaturate by 10%, it is **81.4476, 0.3348, 0.3324**.

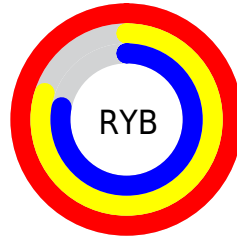
# Distribution



Red (100%)

Green (80%)

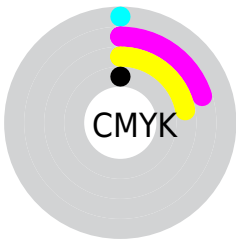
Blue (78%)



Red (100%)

Yellow (80%)

Blue (78%)

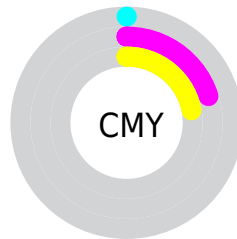


Cyan (0%)

Magenta (20%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (20%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.5229, 0.3574, 0.3353 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 68.5229, 0.3574, 0.3353 by changing the saturation by 10% instead.




 68.5229, 0.3574,  
0.3353

 68.5229, 0.3574,  
0.3353


455.3465, 0.3363,  
0.3327

 50.3233, 0.3623,  
0.3358


117.0999, 0.3500,  
0.3345

 35.6703, 0.3684,  
0.3364


148.2460, 0.3471,  
0.3341

 24.1797, 0.3763,  
0.3370


184.4764, 0.3447,  
0.3338

 15.4670, 0.3867,  
0.3377

226.1755, 0.3426,  
0.3336

 9.1478, 0.4010,  
0.3385

273.7276, 0.3407,  
0.3333

 4.8377, 0.4222,  
0.3390

327.5172, 0.3391,

 2.1523, 0.4561,

0.3331

0.3384

387.9287, 0.3376,  
0.3329

0.6938, 0.5913,  
0.3725

0.0000, 1.0000,  
0.0000

68.5229, 0.3574,  
0.3353

68.5229, 0.3574,  
0.3353

57.3727, 0.3850,  
0.3383

81.4476, 0.3348,  
0.3324

47.9378, 0.4185,  
0.3412

96.2401, 0.3165,  
0.3296

40.1270, 0.4578,  
0.3437

100.0000, 0.3127,  
0.3290

33.8483, 0.5019,  
0.3451

■ 29.0007, 0.5473,  
0.3450

■ 25.4708, 0.5886,  
0.3429

■ 23.1279, 0.6191,  
0.3388

■ 22.0342, 0.6334,  
0.3353

# Harmonies

## Analogous

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



68.5229, 0.3416, 0.3150



68.5229, 0.3574, 0.3353



68.5229, 0.3606, 0.3549

# Triad

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



68.5229, 0.3574, 0.3353



68.5229, 0.3059, 0.3625



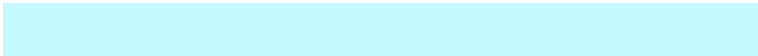
68.5229, 0.2755, 0.2900

# Complementary

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



68.5229, 0.3574, 0.3353



86.9842, 0.2790, 0.3226

# 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.



68.5229, 0.2669, 0.3007



68.5229, 0.3574, 0.3353



68.5229, 0.2840, 0.3430

# Square

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



68.5229, 0.3574, 0.3353



68.5229, 0.3303, 0.3719



68.5229, 0.2700, 0.3200



68.5229, 0.2940, 0.2895



# Rectangle

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



68.5229, 0.3574, 0.3353



68.5229, 0.3553, 0.3650



68.5229, 0.2700, 0.3200



68.5229, 0.2714, 0.2925

# Sweetspot

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



68.5164, 0.3574, 0.3353



89.1310, 0.3245, 0.3309



68.5056, 0.3194, 0.2784



18.8865, 0.3256, 0.3310



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.



68.5164, 0.3574, 0.3353



63.1210, 0.3695, 0.3367



83.1626, 0.3512, 0.3636



18.2940, 0.3292, 0.3316



11.6123, 0.6318, 0.3365

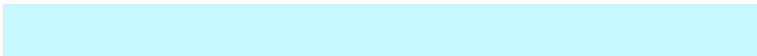


1.2270, 0.6167, 0.3486



# Inverse Universe

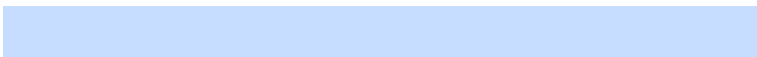
The Inverse Universe completely reimagines the original color for something new.



86.9842, 0.2790, 0.3226



84.6696, 0.2724, 0.3211



70.8323, 0.2766, 0.2918



20.1361, 0.2980, 0.3264



32.9584, 0.2154, 0.2956



3.2988, 0.2166, 0.2997



# Previews

## White Background



This preview shows how the Yxy color 68.5229, 0.3574, 0.3353 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

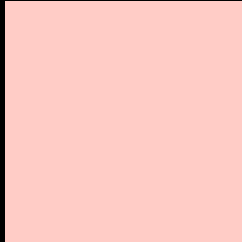
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.5229, 0.3574, 0.3353 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

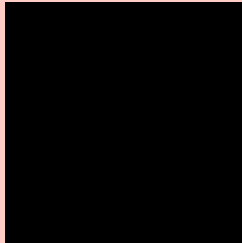
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.5229, 0.3574, 0.3353**

## Background



This preview shows how black text looks on a background with the Yxy color 68.5229, 0.3574, 0.3353.

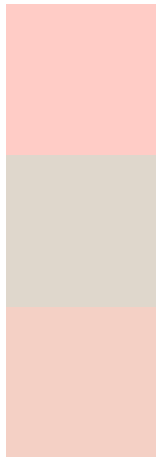


This preview shows how white text looks on a background with the Yxy color 68.5229, 0.3574, 0.3353.

# 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

68.5229, 0.3574, 0.3353

### Protanopia

68.6485, 0.3262, 0.3412

### Deuteranopia

68.3761, 0.3486, 0.3408



## Tritanopia

68.5108, 0.3430, 0.3138

# Trichromacy



## Original Color

68.5229, 0.3574, 0.3353

## Protanomaly

68.5150, 0.3373, 0.3388

## Deuteranomaly

68.6133, 0.3519, 0.3396

## Tritanomaly

68.6250, 0.3482, 0.3219

# Monochromacy



## Original Color

68.5229, 0.3574, 0.3353

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

69.9521, 0.3281, 0.3323

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.5229, 0.3574, 0.3353 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, 204, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 198)  
}
```

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, 204, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 68.5229, 0.3574, 0.3353 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, 204, 198) }
```

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

```
.border{ border-color:rgb(255, 204, 198) }
```

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

Here you see how a box with a 4 pixel rgb(255, 204, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 198);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.5229, 0.3574, 0.3353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 198) }
```

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

```
.background{ background-color: rgb(255,  
204, 198) }
```

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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