

# Converting Colors

Yxy(68.5114, 0.3590, 0.3348)

Have a look what the booklet for  
Yxy(68.5114, 0.3590, 0.3348)  
contains.

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# Color

**Yxy(68.0491, 0.3576, 0.3343)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCBC6
RGB	255, 203, 198
RGB Percent	100%, 80%, 78%
CMY	0.0000, 0.2039, 0.2236
CMYK	0.00, 0.20, 0.22, 0.00
HSL	5°, 100%, 89%
HSV	5°, 22%, 100%
XYZ	72.7920, 68.0491, 62.7159
YIQ	217.9780, 32.5970, 9.4690

# Conversions

## Conversions Part 2

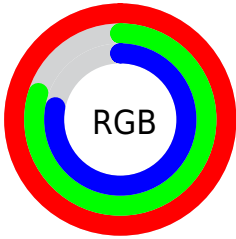
Format	Color
R <sub>Y</sub> B	255, 203, 198
Decimal	16763846
CIE Lab	86.03, 17.67, 9.51
CIE LCh	86, 20.066, 28.288
Yxy	68.0491, 0.3576, 0.3343
Android (android.graphics.Color)	4294953926 (0xFFFFCBC6)
YUV	217.9780, -9.8492, 32.4683
Hunter-Lab	82.4919, 13.1501, 12.6680

# Details

The Yxy color **68.0491, 0.3576, 0.3343** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **87.5867, 0.2790, 0.3236**, and the grayscale version is **70.1460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.3788, 0.3683, 0.3358** is the 20% darker color. If you saturate the color by 10%, you get **56.7965, 0.3855, 0.3368**, and if you desaturate by 10%, it is **81.1476, 0.3349, 0.3318**.

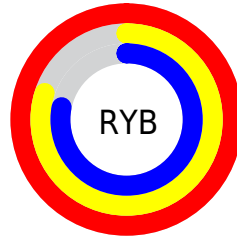
# Distribution



Red (100%)

Green (80%)

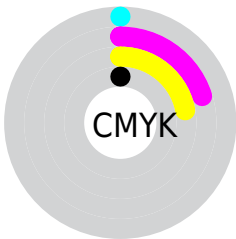
Blue (78%)



Red (100%)

Yellow (80%)

Blue (78%)

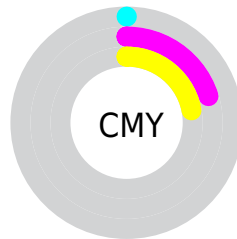


Cyan (0%)

Magenta (20%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (20%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.0491, 0.3576, 0.3343 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 68.0491, 0.3576, 0.3343 by changing the saturation by 10% instead.




 68.0491, 0.3576,  
0.3343

 68.0491, 0.3576,  
0.3343

453.6700, 0.3364,  
0.3322

 49.9377, 0.3626,  
0.3347


116.4224, 0.3502,  
0.3336

 35.3639, 0.3687,  
0.3351


147.4530, 0.3473,  
0.3334

 23.9433, 0.3766,  
0.3356

183.5589, 0.3448,  
0.3331

 15.2916, 0.3871,  
0.3361

225.1243, 0.3427,  
0.3329

 9.0243, 0.4016,  
0.3366

272.5338, 0.3408,  
0.3327

 4.7570, 0.4230,  
0.3366

326.1716, 0.3392,

 2.1054, 0.4575,

0.3325

0.3354

386.4222, 0.3377,  
0.3323

0.6677, 0.5982,  
0.3676

0.0000, 1.0000,  
0.0000

68.0491, 0.3576,  
0.3343

68.0491, 0.3576,  
0.3343

56.7965, 0.3855,  
0.3368

81.1476, 0.3349,  
0.3318

47.3067, 0.4194,  
0.3393

96.1698, 0.3165,  
0.3295

39.4903, 0.4593,  
0.3413

100.0000, 0.3127,  
0.3290

33.2500, 0.5040,  
0.3425

■ 28.4785, 0.5499,  
0.3423

■ 25.0551, 0.5913,  
0.3404

■ 22.8397, 0.6214,  
0.3369

■ 21.8502, 0.6350,  
0.3340

# Harmonies

## Analogous

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



68.0491, 0.3410, 0.3138



68.0491, 0.3576, 0.3343



68.0491, 0.3616, 0.3543

# Triad

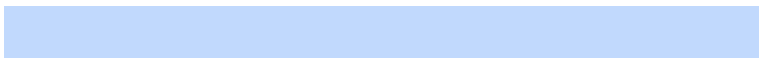
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.0491, 0.3576, 0.3343



68.0491, 0.3071, 0.3638



68.0491, 0.2742, 0.2897

# Complementary

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



68.0491, 0.3576, 0.3343



87.5867, 0.2790, 0.3236

# 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.



68.0491, 0.2661, 0.3011



68.0491, 0.3576, 0.3343



68.0491, 0.2845, 0.3444

# Square

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



68.0491, 0.3576, 0.3343



68.0491, 0.3318, 0.3728



68.0491, 0.2698, 0.3210



68.0491, 0.2925, 0.2886



# Rectangle

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



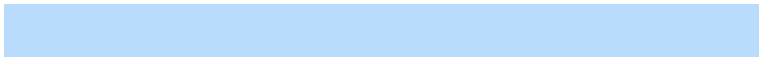
68.0491, 0.3576, 0.3343



68.0491, 0.3566, 0.3649



68.0491, 0.2698, 0.3210



68.0491, 0.2702, 0.2924

# Sweetspot

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



68.0491, 0.3576, 0.3343



88.9522, 0.3246, 0.3306



68.5602, 0.3187, 0.2776



18.8453, 0.3257, 0.3307



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.



68.0491, 0.3576, 0.3343



62.6008, 0.3699, 0.3355



82.6256, 0.3514, 0.3626



18.2437, 0.3292, 0.3312



11.5041, 0.6335, 0.3352



1.2033, 0.6203, 0.3457



# Inverse Universe

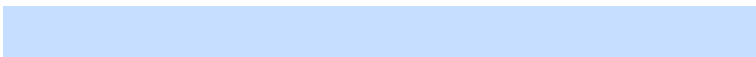
The Inverse Universe completely reimagines the original color for something new.



87.5867, 0.2790, 0.3236



85.3954, 0.2726, 0.3224



71.3301, 0.2767, 0.2929



20.1920, 0.2980, 0.3268



34.2116, 0.2170, 0.3012



3.4080, 0.2179, 0.3046



# Previews

## White Background



This preview shows how the Yxy color 68.0491, 0.3576, 0.3343 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

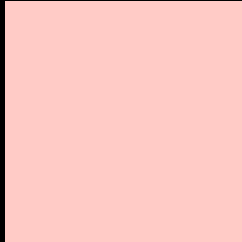
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.0491, 0.3576, 0.3343 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

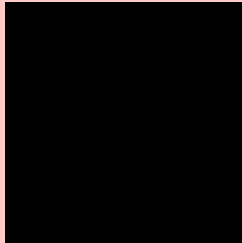
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.0491, 0.3576, 0.3343**

## Background



This preview shows how black text looks on a background with the Yxy color 68.0491, 0.3576, 0.3343.

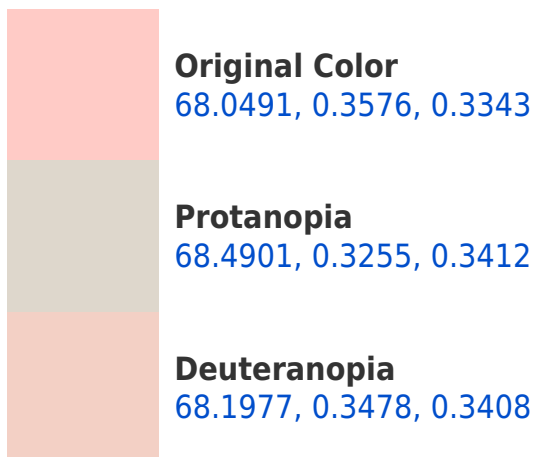


This preview shows how white text looks on a background with the Yxy color 68.0491, 0.3576, 0.3343.

# 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





## Tritanopia

67.9912, 0.3439, 0.3138

# Trichromacy



## Original Color

68.0491, 0.3576, 0.3343

## Protanomaly

68.3452, 0.3365, 0.3388

## Deuteranomaly

67.9480, 0.3513, 0.3386

## Tritanomaly

68.1045, 0.3492, 0.3219

# Monochromacy



## Original Color

68.0491, 0.3576, 0.3343

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

69.2806, 0.3275, 0.3312

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.0491, 0.3576, 0.3343 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, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 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, 203, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 68.0491, 0.3576, 0.3343 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, 198) }
```

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

```
.border{ border-color:rgb(255, 203, 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, 203, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 203, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 203, 198); box-shadow:4px 4px 4px 4px rgb(255, 203, 198) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.0491, 0.3576, 0.3343 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, 198) }
```

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

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