

# Converting Colors

$Y_{xy}(70.5563, 0.3428, 0.3190)$

Have a look what the booklet for  
Yxy(70.5563, 0.3428, 0.3190)  
contains.

<b>Yxy(70.3605, 0.3431, 0.3189)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(70.3605, 0.3431, 0.3189)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCED8
RGB	255, 206, 216
RGB Percent	100%, 81%, 85%
CMY	0.0001, 0.1921, 0.1528
CMYK	0.00, 0.19, 0.15, 0.00
HSL	348°, 100%, 90%
HSV	348°, 19%, 100%
XYZ	75.6999, 70.3605, 74.5746
YIQ	221.7910, 25.9940, 13.4980

# Conversions

## Conversions Part 2

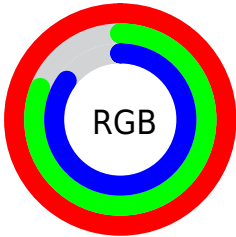
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 206, 216
Decimal	16764632
CIE Lab	87.17, 18.76, 1.59
CIE LCh	87, 18.825, 4.845
Yxy	70.3605, 0.3431, 0.3189
Android (android.graphics.Color)	4294954712 (0xFFFFCED8)
YUV	221.7910, -2.8550, 29.1243
Hunter-Lab	83.8812, 14.2981, 6.0050

# Details

The Yxy color  $70.3605, 0.3431, 0.3189$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $91.2140, 0.2890, 0.3394$ , and the grayscale version is  $72.8999, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $37.0354, 0.3509, 0.3174$  is the 20% darker color. If you saturate the color by 10%, you get  $58.0805, 0.3646, 0.3133$ , and if you desaturate by 10%, it is  $84.7676, 0.3257, 0.3243$ .

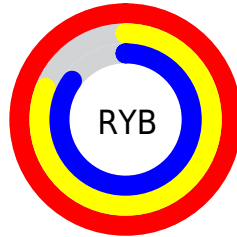
# Distribution



Red (100%)

Green (81%)

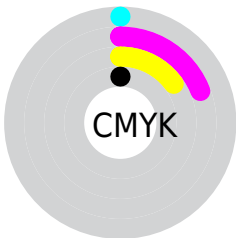
Blue (85%)



Red (100%)

Yellow (81%)

Blue (85%)

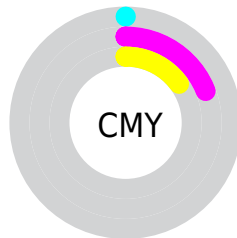


Cyan (0%)

Magenta (19%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (19%)


Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.3605, 0.3431, 0.3189 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 70.3605, 0.3431, 0.3189 by changing the saturation by 10% instead.




 70.3605, 0.3431,  
0.3189

 70.3605, 0.3431,  
0.3189


461.8148, 0.3289,  
0.3237

 51.8205, 0.3464,  
0.3178


119.7227, 0.3381,  
0.3206

 36.8620, 0.3504,  
0.3164


151.3137, 0.3362,  
0.3212

 25.1007, 0.3556,  
0.3146


188.0238, 0.3346,  
0.3218

 16.1521, 0.3624,  
0.3122

230.2374, 0.3332,  
0.3223

 9.6318, 0.3718,  
0.3090

278.3389, 0.3319,  
0.3227

 5.1555, 0.3856,  
0.3041

332.7127, 0.3308,

 2.3388, 0.4075,

0.3231

0.2962

393.7432, 0.3298,  
0.3234

0.7941, 0.4507,  
0.2819

0.0000, 1.0000,  
0.0000

70.3605, 0.3431,  
0.3189

70.3605, 0.3431,  
0.3189

58.0805, 0.3646,  
0.3133

84.7676, 0.3257,  
0.3243

47.8175, 0.3909,  
0.3077

99.9940, 0.3127,  
0.3290

39.4660, 0.4226,  
0.3028

32.9068, 0.4594,  
0.2991

■ 28.0077, 0.5001,  
0.2976

■ 24.6176, 0.5416,  
0.2994

■ 22.5579, 0.5792,  
0.3048

■ 21.5625, 0.6084,  
0.3130

■ 21.5033, 0.6104,  
0.3136

# Harmonies

## Analogous

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



70.3605, 0.3218, 0.3024



70.3605, 0.3431, 0.3189



70.3605, 0.3562, 0.3383

# Triad

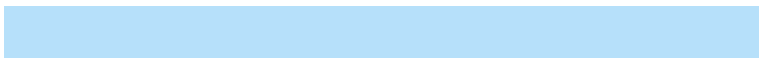
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.3605, 0.3431, 0.3189



70.3605, 0.3256, 0.3687



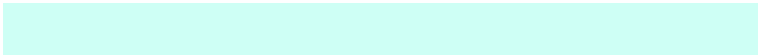
70.3605, 0.2701, 0.3001

# Complementary

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



70.3605, 0.3431, 0.3189



91.2140, 0.2890, 0.3394

# 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.



70.3605, 0.2711, 0.3171



70.3605, 0.3431, 0.3189



70.3605, 0.3026, 0.3579

# Square

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



70.3605, 0.3431, 0.3189



70.3605, 0.3457, 0.3677



70.3605, 0.2828, 0.3386



70.3605, 0.2800, 0.2914



# Rectangle

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



70.3605, 0.3431, 0.3189



70.3605, 0.3583, 0.3507



70.3605, 0.2828, 0.3386



70.3605, 0.2692, 0.3049

# Sweetspot

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



70.3637, 0.3431, 0.3189



89.8644, 0.3209, 0.3260



70.6663, 0.3073, 0.2800



19.0090, 0.3219, 0.3256



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

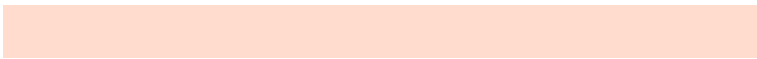
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.3637, 0.3431, 0.3189



65.4690, 0.3507, 0.3168



76.8376, 0.3481, 0.3432



18.0478, 0.3262, 0.3242



11.2560, 0.6068, 0.3116



1.1108, 0.5768, 0.2951



# Inverse Universe

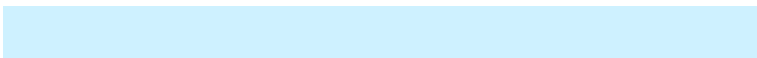
The Inverse Universe completely reimagines the original color for something new.



70.3637, 0.3431, 0.3189



65.4690, 0.3507, 0.3168



83.3111, 0.2830, 0.3144



18.0478, 0.3262, 0.3242



11.2560, 0.6068, 0.3116



1.1108, 0.5768, 0.2951



# Previews

## White Background



This preview shows how the Yxy color 70.3605, 0.3431, 0.3189 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

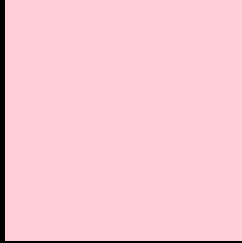
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.3605, 0.3431, 0.3189 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

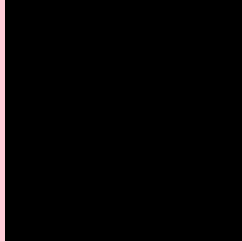
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 70.3605, 0.3431, 0.3189**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.3605, 0.3431, 0.3189.

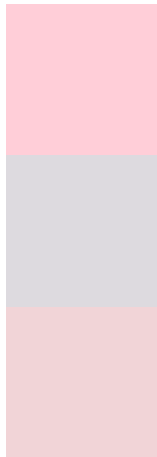


This preview shows how white text looks on a background with the Yxy color 70.3605, 0.3431, 0.3189.

# 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

70.3605, 0.3431, 0.3189

### Protanopia

70.8427, 0.3115, 0.3236

### Deuteranopia

70.6940, 0.3323, 0.3259



## Tritanopia

70.1431, 0.3395, 0.3129

# Trichromacy



## Original Color

70.3605, 0.3431, 0.3189

## Protanomaly

70.5841, 0.3226, 0.3226

## Deuteranomaly

70.5923, 0.3364, 0.3239

## Tritanomaly

70.0371, 0.3410, 0.3149

# Monochromacy



## Original Color

70.3605, 0.3431, 0.3189

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

71.7715, 0.3231, 0.3248

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.3605, 0.3431, 0.3189 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, 206, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 216)  
}
```

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, 206, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 70.3605, 0.3431, 0.3189 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, 206, 216) }
```

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

```
.border{ border-color:rgb(255, 206, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 206, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.3605, 0.3431, 0.3189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 216) }
```

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

```
.background{ background-color: rgb(255,  
206, 216) }
```

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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