

# Converting Colors

$Y_{xy}(71.6710, 0.3203, 0.2872)$

Have a look what the booklet for  
Yxy(71.6710, 0.3203, 0.2872)  
contains.

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# Color

**Yxy(71.6380, 0.3206, 0.2876)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCDF7
RGB	255, 205, 247
RGB Percent	100%, 80%, 97%
CMY	0.0000, 0.1961, 0.0315
CMYK	0.00, 0.20, 0.03, 0.00
HSL	310°, 100%, 90%
HSV	310°, 20%, 100%
XYZ	79.8579, 71.6380, 97.5931
YIQ	224.7380, 16.3180, 23.6620

# Conversions

## Conversions Part 2

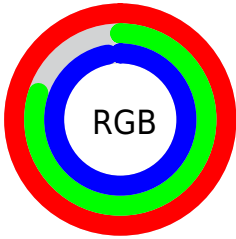
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 205, 247
Decimal	16764407
CIE Lab	87.79, 24.42, -13.88
CIE LCh	88, 28.086, 330.387
Yxy	71.6380, 0.3206, 0.2876
Android (android.graphics.Color)	4294954487 (0xFFFFCDF7)
YUV	224.7380, 10.9752, 26.5398
Hunter-Lab	84.6392, 20.2978, -9.1167

# Details

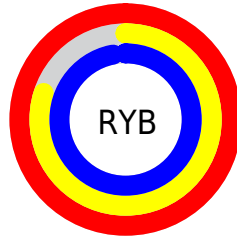
The Yxy color **71.6380, 0.3206, 0.2876** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **89.3059, 0.3057, 0.3743**, and the grayscale version is **75.0084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.5800, 0.3219, 0.2775** is the 20% darker color. If you saturate the color by 10%, you get **60.1678, 0.3254, 0.2660**, and if you desaturate by 10%, it is **85.1057, 0.3163, 0.3091**.

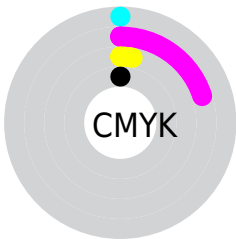
# Distribution



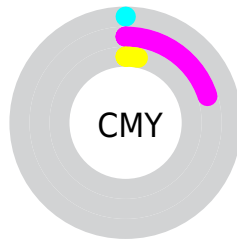
- Red (100%)
- Green (80%)
- Blue (97%)



- Red (100%)
- Yellow (80%)
- Blue (97%)



- Cyan (0%)
- Magenta (20%)
- Yellow (3%)
- Black (0%)




- Cyan (0%)
- Magenta (20%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.6380, 0.3206, 0.2876 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 71.6380, 0.3206, 0.2876 by changing the saturation by 10% instead.




 71.6380, 0.3206,  
0.2876

 71.6380, 0.3206,  
0.2876


466.2806, 0.3172,  
0.3061

 52.8630, 0.3213,  
0.2835


121.5417, 0.3195,  
0.2939

 37.6934, 0.3221,  
0.2785


153.4393, 0.3190,  
0.2964

 25.7448, 0.3231,  
0.2723


190.4798, 0.3187,  
0.2986

 16.6328, 0.3244,  
0.2644

233.0476, 0.3183,  
0.3005

 9.9731, 0.3259,  
0.2539

281.5272, 0.3180,  
0.3021

 5.3811, 0.3279,  
0.2395

336.3030, 0.3177,

 2.4726, 0.3304,

0.3036

0.2183

397.7594, 0.3175,  
0.3049

0.8628, 0.3332,  
0.1847

0.0000, 0.3407,  
0.0000

71.6380, 0.3206,  
0.2876

71.6380, 0.3206,  
0.2876

60.1678, 0.3254,  
0.2660

85.1057, 0.3163,  
0.3091

50.5931, 0.3308,  
0.2449

100.0000, 0.3127,  
0.3290

42.8115, 0.3366,  
0.2253

36.7090, 0.3428,  
0.2081

■ 32.1580, 0.3491,  
0.1945

■ 29.0129, 0.3553,  
0.1850

■ 27.1003, 0.3613,  
0.1803

■ 26.1486, 0.3670,  
0.1796

■ 26.1185, 0.3672,  
0.1796

# Harmonies

## Analogous

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



71.6380, 0.2870, 0.2749



71.6380, 0.3206, 0.2876



71.6380, 0.3536, 0.3100

# Triad

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



71.6380, 0.3206, 0.2876



71.6380, 0.3649, 0.3844



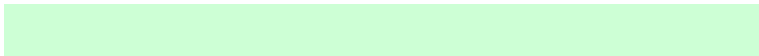
71.6380, 0.2534, 0.3151

# Complementary

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



71.6380, 0.3206, 0.2876



89.3059, 0.3057, 0.3743

# 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.



71.6380, 0.2722, 0.3479



71.6380, 0.3206, 0.2876



71.6380, 0.3362, 0.3896

# Square

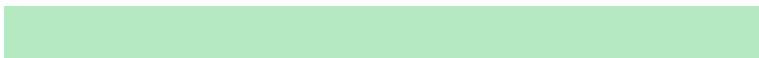
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.6380, 0.3206, 0.2876



71.6380, 0.3798, 0.3646



71.6380, 0.3022, 0.3762



71.6380, 0.2497, 0.2888



# Rectangle

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



71.6380, 0.3206, 0.2876



71.6380, 0.3702, 0.3281



71.6380, 0.3022, 0.3762



71.6380, 0.2581, 0.3258

# Sweetspot

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



71.6399, 0.3206, 0.2876



90.4665, 0.3149, 0.3166



64.9584, 0.2850, 0.2755



19.1513, 0.3152, 0.3153



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.



71.6399, 0.3206, 0.2876



66.3579, 0.3227, 0.2781



70.2271, 0.3384, 0.3114



18.2473, 0.3163, 0.3093



13.6662, 0.3663, 0.1791



1.3434, 0.3602, 0.1758



# Inverse Universe

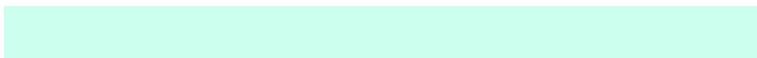
The Inverse Universe completely reimagines the original color for something new.



71.6399, 0.3206, 0.2876



66.3579, 0.3227, 0.2781



90.6440, 0.2924, 0.3474



18.2473, 0.3163, 0.3093



13.6662, 0.3663, 0.1791



1.3434, 0.3602, 0.1758



# Previews

## White Background



This preview shows how the Yxy color 71.6380, 0.3206, 0.2876 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 71.6380, 0.3206, 0.2876 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

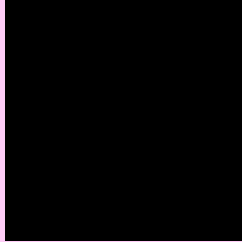
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.6380, 0.3206, 0.2876**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.6380, 0.3206, 0.2876.

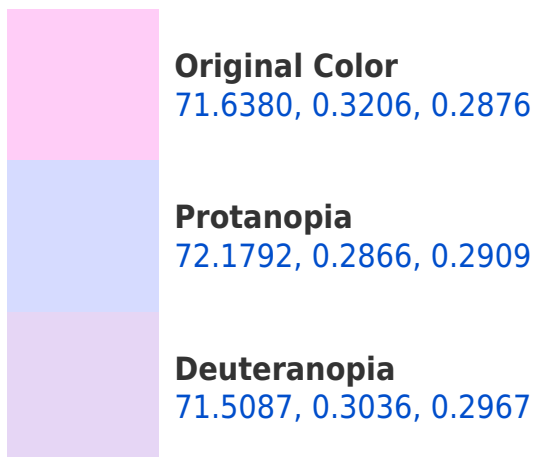


This preview shows how white text looks on a background with the Yxy color 71.6380, 0.3206, 0.2876.

# 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

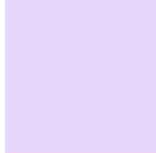
71.7326, 0.3338, 0.3128

# Trichromacy



## Original Color

71.6380, 0.3206, 0.2876



## Protanomaly

71.7794, 0.2984, 0.2897



## Deuteranomaly

71.5931, 0.3093, 0.2932



## Tritanomaly

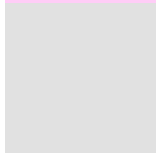
71.8776, 0.3288, 0.3039

# Monochromacy



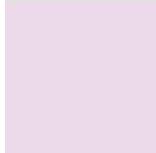
## Original Color

71.6380, 0.3206, 0.2876



## Achromatopsia

75.2942, 0.3127, 0.3290



## Achromatomaly

73.8589, 0.3156, 0.3134

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.6380, 0.3206, 0.2876 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, 205, 247)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 247)  
}
```

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, 205, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 71.6380, 0.3206, 0.2876 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, 205, 247) }
```

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

```
.border{ border-color:rgb(255, 205, 247) }
```

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

Here you see how a box with a 4 pixel rgb(255, 205, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 247);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.6380, 0.3206, 0.2876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 247) }
```

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

```
.background{ background-color: rgb(255,  
205, 247) }
```

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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