

# Converting Colors

$Y_{xy}(71.1546, 0.3207, 0.2867)$

Have a look what the booklet for  
Yxy(71.1546, 0.3207, 0.2867)  
contains.

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# Color

**Yxy(71.1611, 0.3206, 0.2866)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCCF7
RGB	255, 204, 247
RGB Percent	100%, 80%, 97%
CMY	0.0002, 0.1999, 0.0314
CMYK	0.00, 0.20, 0.03, 0.00
HSL	309°, 100%, 90%
HSV	309°, 20%, 100%
XYZ	79.6031, 71.1611, 97.5299
YIQ	224.1510, 16.5930, 24.1850

# Conversions

## Conversions Part 2

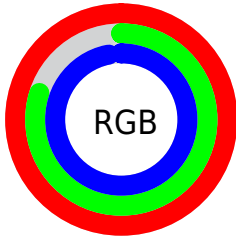
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">255, 204, 247</a>
Decimal	<a href="#">16764151</a>
CIELab	<a href="#">87.56, 24.91, -14.23</a>
CIELCh	<a href="#">88, 28.691, 330.254</a>
Yxy	<a href="#">71.1611, 0.3206, 0.2866</a>
Android (android.graphics.Color)	<a href="#">4294954231 (0xFFFFCCF7)</a>
YUV	<a href="#">224.1510, 11.2646, 27.0546</a>
Hunter-Lab	<a href="#">84.3570, 20.8158, -9.4986</a>

# Details

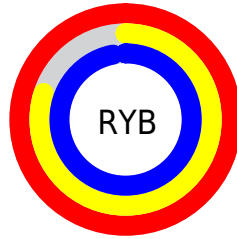
The Yxy color **71.1611, 0.3206, 0.2866** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **89.0745, 0.3057, 0.3754**, and the grayscale version is **74.5627, 0.3127, 0.3290**.

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 **59.7757, 0.3254, 0.2649**, and if you desaturate by 10%, it is **84.5416, 0.3164, 0.3082**.

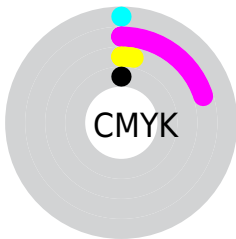
# Distribution



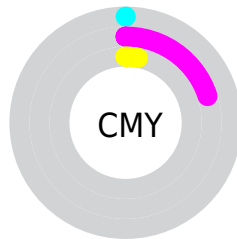
- Red (100%)
- Green (80%)
- Blue (97%)



- 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 71.1611, 0.3206, 0.2866 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 71.1611, 0.3206, 0.2866 by changing the saturation by 10% instead.




 71.1611, 0.3206,  
0.2866

 71.1611, 0.3206,  
0.2866

464.6164, 0.3173,  
0.3056

 52.4737, 0.3213,  
0.2824


120.8631, 0.3195,  
0.2931

 37.3828, 0.3221,  
0.2773


152.6464, 0.3190,  
0.2956

 25.5040, 0.3231,  
0.2710


189.5639, 0.3187,  
0.2978

 16.4529, 0.3243,  
0.2628

231.9998, 0.3183,  
0.2998

 9.8452, 0.3259,  
0.2521

280.3387, 0.3180,  
0.3015

 5.2965, 0.3278,  
0.2373

334.9648, 0.3177,

 2.4222, 0.3301,

0.3030

0.2157

396.2625, 0.3175,  
0.3044

0.8373, 0.3328,  
0.1811

0.0000, 0.3339,  
0.0000

71.1611, 0.3206,  
0.2866

71.1611, 0.3206,  
0.2866

59.7757, 0.3254,  
0.2649

84.5416, 0.3164,  
0.3082

50.2795, 0.3306,  
0.2437

99.9850, 0.3127,  
0.3290

42.5712, 0.3363,  
0.2241

99.9882, 0.3127,  
0.3290

36.5363, 0.3423,  
0.2070

■ 32.0468, 0.3484,  
0.1935

■ 28.9564, 0.3545,  
0.1841

■ 27.0906, 0.3603,  
0.1795

■ 26.1650, 0.3657,  
0.1788

■ 26.1625, 0.3657,  
0.1788

# Harmonies

## Analogous

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



71.1611, 0.2862, 0.2737



71.1611, 0.3206, 0.2866



71.1611, 0.3545, 0.3094

# Triad

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



71.1611, 0.3206, 0.2866



71.1611, 0.3662, 0.3856



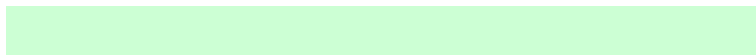
71.1611, 0.2521, 0.3149

# Complementary

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



71.1611, 0.3206, 0.2866



89.0745, 0.3057, 0.3754

# 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.



71.1611, 0.2713, 0.3484



71.1611, 0.3206, 0.2866



71.1611, 0.3368, 0.3911

# Square

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



71.1611, 0.3206, 0.2866



71.1611, 0.3814, 0.3652



71.1611, 0.3021, 0.3775



71.1611, 0.2483, 0.2879



# Rectangle

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



71.1611, 0.3206, 0.2866



71.1611, 0.3715, 0.3279



71.1611, 0.3021, 0.3775



71.1611, 0.2569, 0.3258

# Sweetspot

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



71.1642, 0.3206, 0.2866



90.4709, 0.3149, 0.3166



64.3647, 0.2844, 0.2744



19.1524, 0.3151, 0.3152



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.



71.1642, 0.3206, 0.2866



66.3747, 0.3225, 0.2778



69.7150, 0.3390, 0.3110



18.2488, 0.3162, 0.3092



13.6964, 0.3649, 0.1784



1.3461, 0.3590, 0.1751



# Inverse Universe

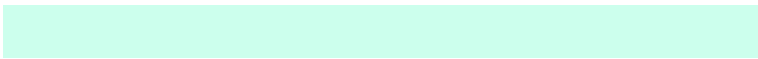
The Inverse Universe completely reimagines the original color for something new.



71.1642, 0.3206, 0.2866



66.3747, 0.3225, 0.2778



90.4437, 0.2921, 0.3478



18.2488, 0.3162, 0.3092



13.6964, 0.3649, 0.1784



1.3461, 0.3590, 0.1751



# Previews

## White Background



This preview shows how the Yxy color 71.1611, 0.3206, 0.2866 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

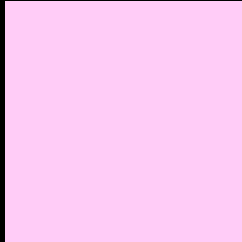
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.1611, 0.3206, 0.2866 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

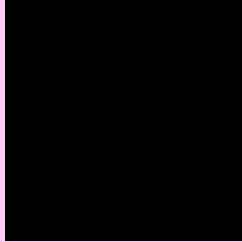
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.1611, 0.3206, 0.2866**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.1611, 0.3206, 0.2866.

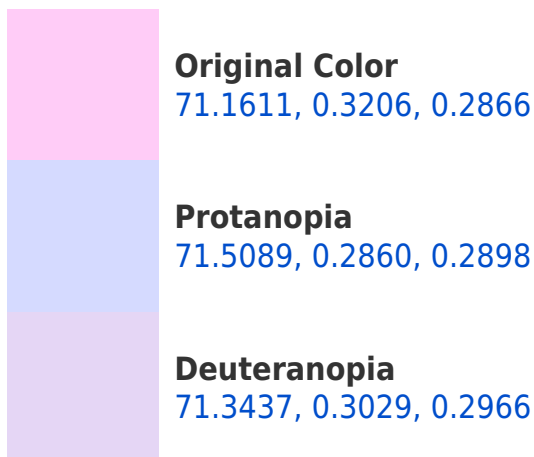


This preview shows how white text looks on a background with the Yxy color 71.1611, 0.3206, 0.2866.

# 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

71.1890, 0.3346, 0.3128

# Trichromacy



## Original Color

71.1611, 0.3206, 0.2866

## Protanomaly

71.1108, 0.2977, 0.2886

## Deuteranomaly

70.9242, 0.3087, 0.2921

## Tritanomaly

71.3345, 0.3296, 0.3039

# Monochromacy



## Original Color

71.1611, 0.3206, 0.2866

## Achromatopsia

74.5404, 0.3127, 0.3290

## Achromatomaly

73.1141, 0.3156, 0.3134

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.1611, 0.3206, 0.2866 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, 247)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 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, 204, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 71.1611, 0.3206, 0.2866 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, 247) }
```

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

```
.border{ border-color:rgb(255, 204, 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, 204, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 247);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.1611, 0.3206, 0.2866 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, 247) }
```

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

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