

# Converting Colors

$Y_{xy}(109.3694, 0.3394, 0.2375)$

Have a look what the booklet for  
Yxy(109.3694, 0.3394, 0.2375)  
contains.

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# Color

**Yxy(72.6226, 0.3150, 0.2811)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCEFF
RGB	255, 206, 255
RGB Percent	100%, 81%, 100%
CMY	0.0000, 0.1922, 0.0000
CMYK	0.00, 0.19, 0.00, 0.00
HSL	300°, 100%, 90%
HSV	300°, 19%, 100%
XYZ	81.3807, 72.6226, 104.3482
YIQ	226.2370, 13.4750, 25.6270

# Conversions

## Conversions Part 2

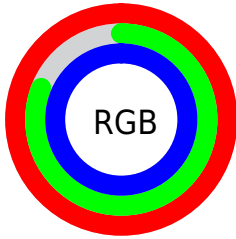
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 206, 255
Decimal	16764671
CIE <sub>Lab</sub>	88.27, 25.36, -17.41
CIE <sub>LCh</sub>	88, 30.760, 325.523
Yxy	72.6226, 0.3150, 0.2811
Android (android.graphics.Color)	4294954751 (0xFFFFCEFF)
YUV	226.2370, 14.1802, 25.2252
Hunter-Lab	85.2189, 21.3275, -12.9457

# Details

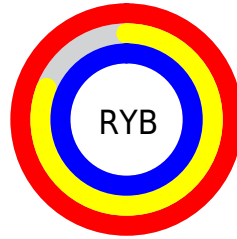
The Yxy color **72.6226, 0.3150, 0.2811** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **89.0939, 0.3102, 0.3820**, and the grayscale version is **76.1112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.2162, 0.3155, 0.2706** is the 20% darker color. If you saturate the color by 10%, you get **61.3160, 0.3161, 0.2560**, and if you desaturate by 10%, it is **85.9000, 0.3138, 0.3063**.

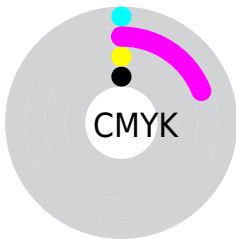
# Distribution



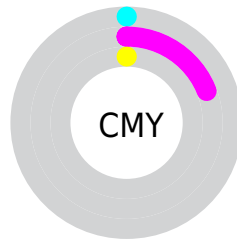
- Red (100%)
- Green (81%)
- Blue (100%)



- Red (100%)
- Yellow (81%)
- Blue (100%)



- Cyan (0%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (19%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.6226, 0.3150, 0.2811 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 72.6226, 0.3150, 0.2811 by changing the saturation by 10% instead.




 72.6226, 0.3150,  
0.2811

 72.6226, 0.3150,  
0.2811

469.7058, 0.3143,  
0.3024

 53.6674, 0.3151,  
0.2764


122.9413, 0.3148,  
0.2883

 38.3358, 0.3151,  
0.2708

155.0736, 0.3147,  
0.2912

 26.2434, 0.3152,  
0.2638


192.3671, 0.3147,  
0.2936

 17.0059, 0.3151,  
0.2549

235.2061, 0.3146,  
0.2958

 10.2387, 0.3148,  
0.2432

283.9751, 0.3145,  
0.2977

 5.5575, 0.3142,  
0.2273

339.0584, 0.3144,

 2.5779, 0.3125,

0.2995

0.2044

400.8405, 0.3144,  
0.3010

0.9156, 0.3082,  
0.1691

0.0000, 0.3020,  
0.0000

72.6226, 0.3150,  
0.2811

72.6226, 0.3150,  
0.2811

61.3160, 0.3161,  
0.2560

85.9000, 0.3138,  
0.3063

51.9155, 0.3173,  
0.2320

100.0000, 0.3127,  
0.3290

44.3069, 0.3183,  
0.2099

38.3763, 0.3192,  
0.1907

■ 33.9970, 0.3199,  
0.1753

■ 31.0242, 0.3205,  
0.1642

■ 29.2860, 0.3208,  
0.1574

■ 28.5229, 0.3209,  
0.1543

■ 28.4800, 0.3209,  
0.1542

# Harmonies

## Analogous

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



72.6226, 0.2794, 0.2694



72.6226, 0.3150, 0.2811



72.6226, 0.3520, 0.3038

# Triad

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



72.6226, 0.3150, 0.2811



72.6226, 0.3733, 0.3865



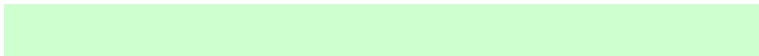
72.6226, 0.2506, 0.3192

# Complementary

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



72.6226, 0.3150, 0.2811



89.0939, 0.3102, 0.3820

# 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.



72.6226, 0.2732, 0.3553



72.6226, 0.3150, 0.2811



72.6226, 0.3438, 0.3957

# Square

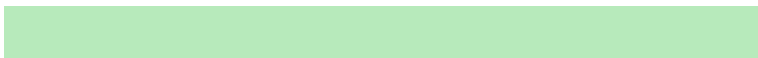
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



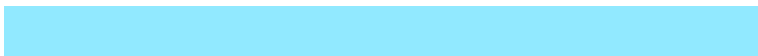
72.6226, 0.3150, 0.2811



72.6226, 0.3866, 0.3629



72.6226, 0.3070, 0.3845



72.6226, 0.2439, 0.2889



# Rectangle

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



72.6226, 0.3150, 0.2811



72.6226, 0.3717, 0.3229



72.6226, 0.3070, 0.3845



72.6226, 0.2565, 0.3311

# Sweetspot

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



72.6122, 0.3150, 0.2811



90.6237, 0.3134, 0.3143



64.4710, 0.2806, 0.2760



19.1886, 0.3135, 0.3127



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.



72.6122, 0.3150, 0.2811



68.1179, 0.3154, 0.2716



71.1329, 0.3324, 0.3044



18.3004, 0.3138, 0.3056



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542



# Inverse Universe

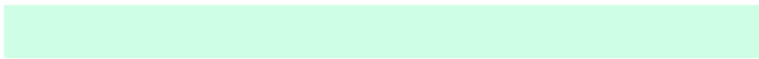
The Inverse Universe completely reimagines the original color for something new.



72.6122, 0.3150, 0.2811



68.1179, 0.3154, 0.2716



90.3794, 0.2967, 0.3550



18.3004, 0.3138, 0.3056



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 72.6226, 0.3150, 0.2811 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

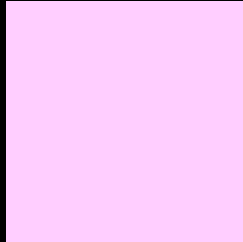
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.6226, 0.3150, 0.2811 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

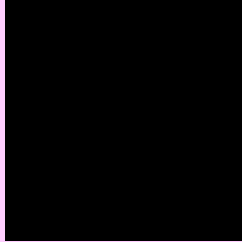
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.6226, 0.3150, 0.2811**

## Background



This preview shows how black text looks on a background with the Yxy color 72.6226, 0.3150, 0.2811.



This preview shows how white text looks on a background with the Yxy color 72.6226, 0.3150, 0.2811.

# 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

72.6226, 0.3150, 0.2811

### Protanopia

72.8535, 0.2873, 0.2921

### Deuteranopia

72.6976, 0.2971, 0.2908



## Tritanopia

72.6438, 0.3313, 0.3128

# Trichromacy



## Original Color

72.6226, 0.3150, 0.2811



## Protanomaly

72.6439, 0.2972, 0.2879



## Deuteranomaly

72.4199, 0.3034, 0.2865



## Tritanomaly

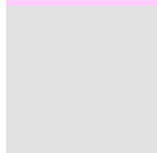
72.4108, 0.3251, 0.3009

# Monochromacy



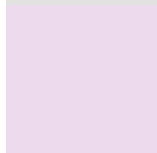
## Original Color

72.6226, 0.3150, 0.2811



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

74.7820, 0.3136, 0.3104

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.6226, 0.3150, 0.2811 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, 255)` looks like.

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

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, 255) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to Yxy 72.6226, 0.3150, 0.2811 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, 255) }
```

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

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

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, 255)` colored shadow looks like.

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



# Background

The CSS property to change the background color of an element to Yxy 72.6226, 0.3150, 0.2811 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, 255) }
```

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

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

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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