

# Converting Colors

$Y_{xy}(100.0000, 0.2294, 0.1597)$

Have a look what the booklet for  
Yxy(100.0000, 0.2294, 0.1597)  
contains.

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# Color

**Yxy(74.5732, 0.3148, 0.2851)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD2FF
RGB	255, 210, 255
RGB Percent	100%, 82%, 100%
CMY	0.0000, 0.1765, 0.0000
CMYK	0.00, 0.18, 0.00, 0.00
HSL	300°, 100%, 91%
HSV	300°, 18%, 100%
XYZ	82.3418, 74.5732, 104.6536
YIQ	228.5850, 12.3750, 23.5350

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 210, 255
Decimal	16765695
CIE Lab	89.19, 23.23, -16.01
CIE LCh	89, 28.213, 325.427
Yxy	74.5732, 0.3148, 0.2851
Android (android.graphics.Color)	4294955775 (0xFFFFD2FF)
YUV	228.5850, 13.0226, 23.1660
Hunter-Lab	86.3558, 19.0804, -11.4038

# Details

The Yxy color **74.5732, 0.3148, 0.2851** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **89.8748, 0.3104, 0.3772**, and the grayscale version is **77.9272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.5257, 0.3152, 0.2756** is the 20% darker color. If you saturate the color by 10%, you get **62.9674, 0.3160, 0.2600**, and if you desaturate by 10%, it is **88.1820, 0.3136, 0.3102**.

# Distribution



- Red (100%)
- Green (82%)
- Blue (100%)



- Red (100%)
- Yellow (82%)
- Blue (100%)



- Cyan (0%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (18%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.5732, 0.3148, 0.2851 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 74.5732, 0.3148, 0.2851 by changing the saturation by 10% instead.




 74.5732, 0.3148,  
0.2851

 74.5732, 0.3148,  
0.2851


476.4493, 0.3142,  
0.3046

 55.2633, 0.3149,  
0.2808


125.7080, 0.3146,  
0.2917

 39.6126, 0.3150,  
0.2757


158.3017, 0.3145,  
0.2943

 27.2366, 0.3150,  
0.2693


196.0922, 0.3145,  
0.2966

 17.7510, 0.3150,  
0.2611

239.4638, 0.3144,  
0.2986

 10.7714, 0.3148,  
0.2504

288.8009, 0.3143,  
0.3003

 5.9133, 0.3143,  
0.2358

344.4879, 0.3143,

 2.7924, 0.3131,

0.3019

0.2148

406.9093, 0.3142,  
0.3033

■ 1.0244, 0.3096,  
0.1821

■ 0.0000, 0.3203,  
0.0000

■ 74.5732, 0.3148,  
0.2851

■ 74.5732, 0.3148,  
0.2851

■ 62.9674, 0.3160,  
0.2600

■ 88.1820, 0.3136,  
0.3102

■ 53.2744, 0.3171,  
0.2357

100.0000, 0.3127,  
0.3290

■ 45.3903, 0.3182,  
0.2132

■ 39.2029, 0.3191,  
0.1935

■ 34.5878, 0.3199,  
0.1775

■ 31.4036, 0.3204,  
0.1656

■ 29.4834, 0.3208,  
0.1582

■ 28.6071, 0.3209,  
0.1547

■ 28.4769, 0.3210,  
0.1542

# Harmonies

## Analogous

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



74.5732, 0.2823, 0.2744



74.5732, 0.3148, 0.2851



74.5732, 0.3483, 0.3060

# Triad

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



74.5732, 0.3148, 0.2851



74.5732, 0.3680, 0.3815



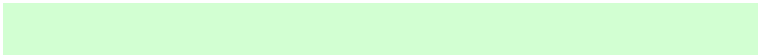
74.5732, 0.2560, 0.3204

# Complementary

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



74.5732, 0.3148, 0.2851



89.8748, 0.3104, 0.3772

# 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.



74.5732, 0.2768, 0.3530



74.5732, 0.3148, 0.2851



74.5732, 0.3413, 0.3895

# Square

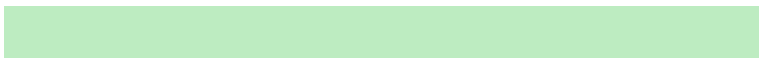
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.5732, 0.3148, 0.2851



74.5732, 0.3799, 0.3602



74.5732, 0.3078, 0.3792



74.5732, 0.2498, 0.2927



# Rectangle

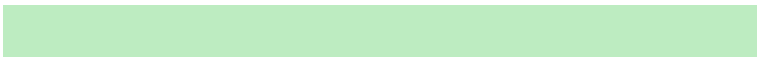
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.5732, 0.3148, 0.2851



74.5732, 0.3662, 0.3235



74.5732, 0.3078, 0.3792



74.5732, 0.2615, 0.3312

# Sweetspot

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



74.5716, 0.3148, 0.2851



92.1330, 0.3133, 0.3168



67.0135, 0.2836, 0.2808



19.4927, 0.3134, 0.3151



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.



74.5716, 0.3148, 0.2851



70.4628, 0.3152, 0.2766



73.2068, 0.3305, 0.3065



18.3004, 0.3138, 0.3056



14.8798, 0.3210, 0.1542



1.4488, 0.3210, 0.1542



# Inverse Universe

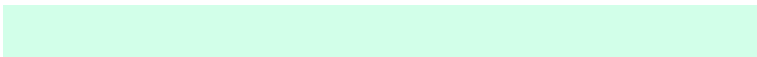
The Inverse Universe completely reimagines the original color for something new.



74.5716, 0.3148, 0.2851



70.4628, 0.3152, 0.2766



91.0759, 0.2980, 0.3526



18.3004, 0.3138, 0.3056



14.8798, 0.3210, 0.1542



1.4488, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 74.5732, 0.3148, 0.2851 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 74.5732, 0.3148, 0.2851 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

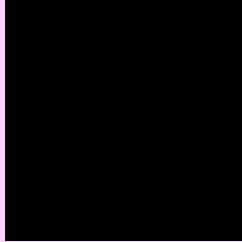
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.5732, 0.3148, 0.2851**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.5732, 0.3148, 0.2851.



This preview shows how white text looks on a background with the Yxy color 74.5732, 0.3148, 0.2851.

# 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

74.5732, 0.3148, 0.2851

### Protanopia

74.9008, 0.2894, 0.2955

### Deuteranopia

74.3905, 0.2998, 0.2932



## Tritanopia

74.5581, 0.3289, 0.3119

# Trichromacy



## Original Color

74.5732, 0.3148, 0.2851



## Protanomaly

74.3517, 0.2979, 0.2911



## Deuteranomaly

74.2819, 0.3047, 0.2897



## Tritanomaly

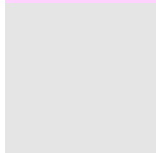
74.7624, 0.3234, 0.3021

# Monochromacy



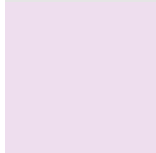
## Original Color

74.5732, 0.3148, 0.2851



## Achromatopsia

78.3538, 0.3127, 0.3290



## Achromatomaly

76.5927, 0.3135, 0.3126

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.5732, 0.3148, 0.2851 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, 210, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 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, 210, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 74.5732, 0.3148, 0.2851 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, 210, 255) }
```

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

```
.border{ border-color:rgb(255, 210, 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, 210, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.5732, 0.3148, 0.2851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 210, 255) }
```

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

```
.background{ background-color: rgb(255,  
210, 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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