

# Converting Colors

$Y_{xy}(80.4724, 0.3382, 0.2986)$

Have a look what the booklet for  
Yxy(80.4724, 0.3382, 0.2986)  
contains.

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# Color

**Yxy(75.5023, 0.3207, 0.2965)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD5F6
RGB	255, 213, 246
RGB Percent	100%, 84%, 96%
CMY	0.0001, 0.1647, 0.0352
CMYK	0.00, 0.16, 0.04, 0.00
HSL	313°, 100%, 92%
HSV	313°, 16%, 100%
XYZ	81.6647, 75.5023, 97.4782
YIQ	229.3200, 14.4390, 19.1670

# Conversions

## Conversions Part 2

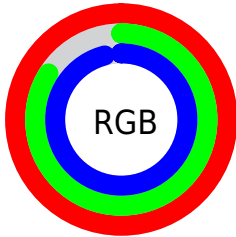
Format	Color
R <sub>Y</sub> B	255, 213, 246
Decimal	16766454
CIE Lab	89.63, 20.05, -10.64
CIE LCh	90, 22.695, 332.038
Yxy	75.5023, 0.3207, 0.2965
Android (android.graphics.Color)	4294956534 (0xFFFFD5F6)
YUV	229.3200, 8.2232, 22.5214
Hunter-Lab	86.8921, 15.7005, -5.6889

# Details

The Yxy color **75.5023, 0.3207, 0.2965** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **90.9241, 0.3056, 0.3638**, and the grayscale version is **78.5341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.1772, 0.3222, 0.2888** is the 20% darker color. If you saturate the color by 10%, you get **63.3412, 0.3266, 0.2761**, and if you desaturate by 10%, it is **89.6962, 0.3156, 0.3165**.

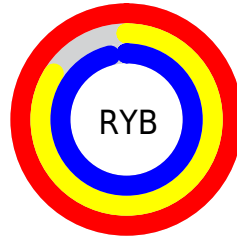
# Distribution



Red (100%)

Green (84%)

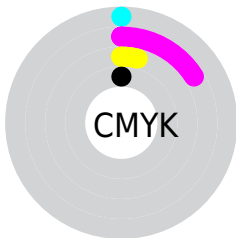
Blue (96%)



Red (100%)

Yellow (84%)

Blue (96%)

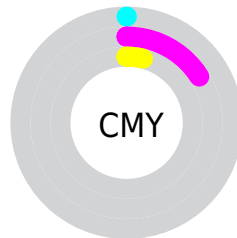


Cyan (0%)

Magenta (16%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.5023, 0.3207, 0.2965 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 75.5023, 0.3207, 0.2965 by changing the saturation by 10% instead.




 75.5023, 0.3207,  
0.2965

 75.5023, 0.3207,  
0.2965


479.6423, 0.3172,  
0.3110

 56.0245, 0.3214,  
0.2933


127.0231, 0.3195,  
0.3014

 40.2226, 0.3224,  
0.2894


159.8350, 0.3191,  
0.3034

 27.7121, 0.3235,  
0.2845


197.8602, 0.3187,  
0.3051

 18.1088, 0.3248,  
0.2783

241.4833, 0.3183,  
0.3066

 11.0281, 0.3266,  
0.2701

291.0887, 0.3180,  
0.3079

 6.0857, 0.3290,  
0.2587

347.0607, 0.3177,

 2.8973, 0.3324,

0.3091

0.2420

409.7838, 0.3174,  
0.3101

■ 1.0783, 0.3373,  
0.2152

■ 0.0000, 0.3917,  
0.0000

■ 75.5023, 0.3207,  
0.2965

■ 75.5023, 0.3207,  
0.2965

■ 63.3412, 0.3266,  
0.2761

■ 89.6962, 0.3156,  
0.3165

■ 53.1091, 0.3332,  
0.2558

99.9953, 0.3127,  
0.3290

■ 44.7076, 0.3406,  
0.2366

■ 38.0259, 0.3486,  
0.2194

■ 32.9413, 0.3570,  
0.2053

■ 29.3144, 0.3656,  
0.1952

■ 26.9822, 0.3740,  
0.1897

■ 25.7406, 0.3821,  
0.1890

■ 25.4536, 0.3849,  
0.1894

# Harmonies

## Analogous

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



75.5023, 0.2937, 0.2858



75.5023, 0.3207, 0.2965



75.5023, 0.3465, 0.3150

# Triad

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



75.5023, 0.3207, 0.2965



75.5023, 0.3533, 0.3737



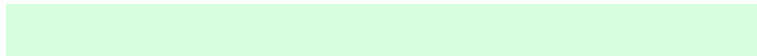
75.5023, 0.2647, 0.3170

# Complementary

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



75.5023, 0.3207, 0.2965



90.9241, 0.3056, 0.3638

# 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.



75.5023, 0.2794, 0.3426



75.5023, 0.3207, 0.2965



75.5023, 0.3302, 0.3765

# Square

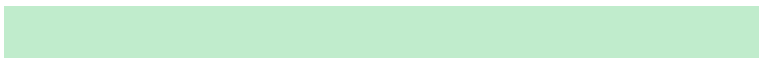
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



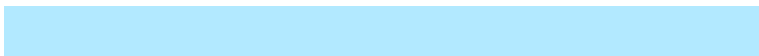
75.5023, 0.3207, 0.2965



75.5023, 0.3656, 0.3589



75.5023, 0.3031, 0.3651



75.5023, 0.2624, 0.2963



# Rectangle

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



75.5023, 0.3207, 0.2965



75.5023, 0.3590, 0.3299



75.5023, 0.3031, 0.3651



75.5023, 0.2683, 0.3254

# Sweetspot

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



75.5056, 0.3207, 0.2965



91.9593, 0.3149, 0.3194



70.2491, 0.2913, 0.2851



19.4504, 0.3153, 0.3180



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.



75.5056, 0.3207, 0.2965



70.9849, 0.3227, 0.2893



74.3193, 0.3351, 0.3164



18.2301, 0.3171, 0.3105



13.3258, 0.3837, 0.1887



1.3133, 0.3751, 0.1840



# Inverse Universe

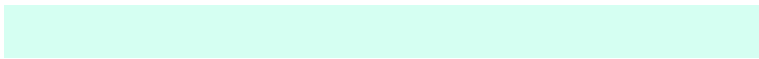
The Inverse Universe completely reimagines the original color for something new.



75.5056, 0.3207, 0.2965



70.9849, 0.3227, 0.2893



92.0863, 0.2944, 0.3420



18.2301, 0.3171, 0.3105



13.3258, 0.3837, 0.1887



1.3133, 0.3751, 0.1840



# Previews

## White Background



This preview shows how the Yxy color 75.5023, 0.3207, 0.2965 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

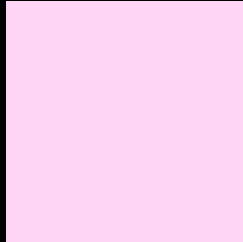
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.5023, 0.3207, 0.2965 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

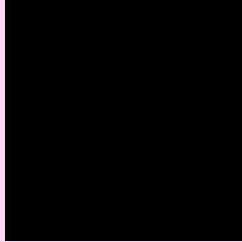
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.5023, 0.3207, 0.2965**

## Background



This preview shows how black text looks on a background with the Yxy color 75.5023, 0.3207, 0.2965.



This preview shows how white text looks on a background with the Yxy color 75.5023, 0.3207, 0.2965.

# 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

75.5023, 0.3207, 0.2965

### Protanopia

75.7753, 0.2926, 0.2988

### Deuteranopia

75.6063, 0.3097, 0.3025



## Tritanopia

75.3097, 0.3288, 0.3120

# Trichromacy



## Original Color

75.5023, 0.3207, 0.2965

## Protanomaly

75.4122, 0.3024, 0.2983

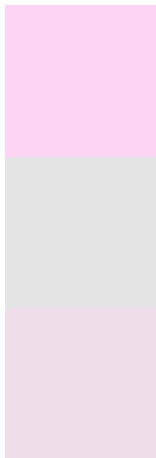
## Deuteranomaly

75.6308, 0.3140, 0.3008

## Tritanomaly

75.2784, 0.3262, 0.3061

# Monochromacy



## Original Color

75.5023, 0.3207, 0.2965

## Achromatopsia

78.3538, 0.3127, 0.3290

## Achromatomaly

76.9507, 0.3154, 0.3167

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.5023, 0.3207, 0.2965 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, 213, 246)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 246)  
}
```

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, 213, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 75.5023, 0.3207, 0.2965 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, 213, 246) }
```

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

```
.border{ border-color:rgb(255, 213, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 213, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 246);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.5023, 0.3207, 0.2965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 213, 246) }
```

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

```
.background{ background-color: rgb(255,  
213, 246) }
```

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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