

# Converting Colors

$Y_{xy}(90.4243, 0.3702, 0.3010)$

Have a look what the booklet for  
Yxy(90.4243, 0.3702, 0.3010)  
contains.

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# Color

**Yxy(75.0008, 0.3208, 0.2955)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD4F6
RGB	255, 212, 246
RGB Percent	100%, 83%, 96%
CMY	0.0000, 0.1686, 0.0352
CMYK	0.00, 0.17, 0.04, 0.00
HSL	313°, 100%, 92%
HSV	313°, 17%, 100%
XYZ	81.4222, 75.0008, 97.3868
YIQ	228.7330, 14.7140, 19.6900

# Conversions

## Conversions Part 2

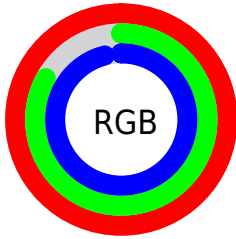
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 212, 246
Decimal	16766198
CIE Lab	89.39, 20.58, -10.99
CIE LCh	89, 23.332, 331.913
Yxy	75.0008, 0.3208, 0.2955
Android (android.graphics.Color)	4294956278 (0xFFFFD4F6)
YUV	228.7330, 8.5126, 23.0362
Hunter-Lab	86.6030, 16.2664, -6.0507

# Details

The Yxy color  $75.0008, 0.3208, 0.2955$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $90.7368, 0.3055, 0.3650$ , and the grayscale version is  $78.0774, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $39.8374, 0.3222, 0.2876$  is the 20% darker color. If you saturate the color by 10%, you get  $62.9216, 0.3266, 0.2750$ , and if you desaturate by 10%, it is  $89.1056, 0.3158, 0.3156$ .

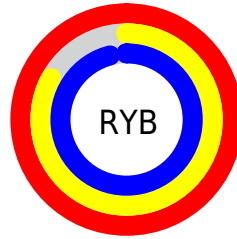
# Distribution



Red (100%)

Green (83%)

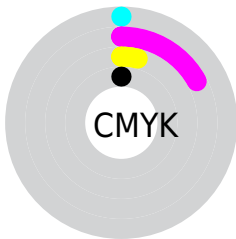
Blue (96%)



Red (100%)

Yellow (83%)

Blue (96%)

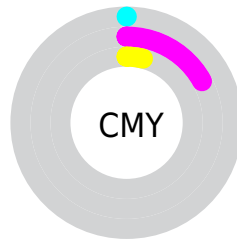


Cyan (0%)

Magenta (17%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (17%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.0008, 0.3208, 0.2955 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 75.0008, 0.3208, 0.2955 by changing the saturation by 10% instead.




 75.0008, 0.3208,  
0.2955

 75.0008, 0.3208,  
0.2955


477.9203, 0.3173,  
0.3105

 55.6135, 0.3216,  
0.2922


126.3135, 0.3196,  
0.3006

 39.8932, 0.3225,  
0.2882


159.0077, 0.3191,  
0.3026

 27.4553, 0.3236,  
0.2832


196.9064, 0.3187,  
0.3044

 17.9154, 0.3250,  
0.2767

240.3939, 0.3184,  
0.3059

 10.8893, 0.3268,  
0.2683

289.8547, 0.3181,  
0.3072

 5.9924, 0.3292,  
0.2566

345.6731, 0.3178,

 2.8405, 0.3325,

0.3084

0.2393

408.2335, 0.3175,  
0.3095

■ 1.0490, 0.3373,  
0.2116

■ 0.0000, 0.3870,  
0.0000

■ 75.0008, 0.3208,  
0.2955

■ 75.0008, 0.3208,  
0.2955

■ 62.9216, 0.3266,  
0.2750

■ 89.1056, 0.3158,  
0.3156

■ 52.7692, 0.3331,  
0.2547

100.0000, 0.3127,  
0.3290

■ 44.4433, 0.3404,  
0.2354

■ 37.8324, 0.3482,  
0.2182

■ 32.8133, 0.3565,  
0.2042

■ 29.2459, 0.3649,  
0.1942

■ 26.9657, 0.3731,  
0.1889

■ 25.7646, 0.3810,  
0.1882

■ 25.5115, 0.3834,  
0.1886

# Harmonies

## Analogous

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



75.0008, 0.2930, 0.2845



75.0008, 0.3208, 0.2955



75.0008, 0.3474, 0.3145

# Triad

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



75.0008, 0.3208, 0.2955



75.0008, 0.3546, 0.3750



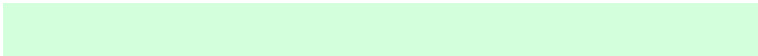
75.0008, 0.2633, 0.3167

# Complementary

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



75.0008, 0.3208, 0.2955



90.7368, 0.3055, 0.3650

# 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.



75.0008, 0.2784, 0.3431



75.0008, 0.3208, 0.2955



75.0008, 0.3308, 0.3780

# Square

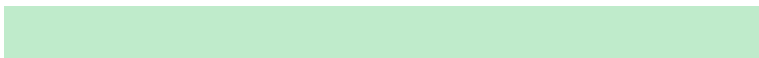
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



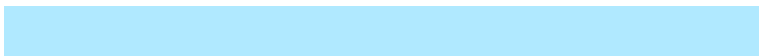
75.0008, 0.3208, 0.2955



75.0008, 0.3673, 0.3597



75.0008, 0.3029, 0.3663



75.0008, 0.2609, 0.2954



# Rectangle

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



75.0008, 0.3208, 0.2955



75.0008, 0.3604, 0.3298



75.0008, 0.3029, 0.3663



75.0008, 0.2671, 0.3253

# Sweetspot

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



75.0023, 0.3208, 0.2955



91.9628, 0.3149, 0.3193



69.6170, 0.2908, 0.2839



19.4512, 0.3152, 0.3179



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.



75.0023, 0.3208, 0.2955



70.9984, 0.3225, 0.2891



73.7782, 0.3357, 0.3161



18.2315, 0.3170, 0.3104



13.3528, 0.3822, 0.1879



1.3157, 0.3738, 0.1833



# Inverse Universe

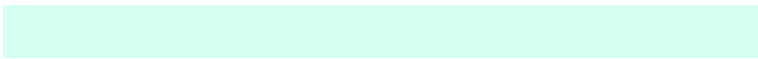
The Inverse Universe completely reimagines the original color for something new.



75.0023, 0.3208, 0.2955



70.9984, 0.3225, 0.2891



91.9340, 0.2940, 0.3423



18.2315, 0.3170, 0.3104



13.3528, 0.3822, 0.1879



1.3157, 0.3738, 0.1833



# Previews

## White Background



This preview shows how the Yxy color 75.0008, 0.3208, 0.2955 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

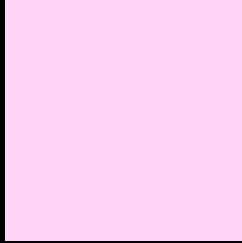
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.0008, 0.3208, 0.2955 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

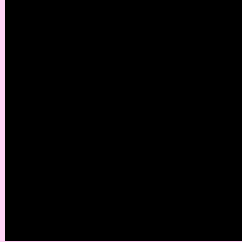
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.0008, 0.3208, 0.2955**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.0008, 0.3208, 0.2955.



This preview shows how white text looks on a background with the Yxy color 75.0008, 0.3208, 0.2955.

# 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

75.0008, 0.3208, 0.2955

### Protanopia

75.0828, 0.2919, 0.2976

### Deuteranopia

75.4328, 0.3090, 0.3025



## Tritanopia

75.2530, 0.3295, 0.3130

# Trichromacy



## Original Color

75.0008, 0.3208, 0.2955

## Protanomaly

74.8888, 0.3024, 0.2972

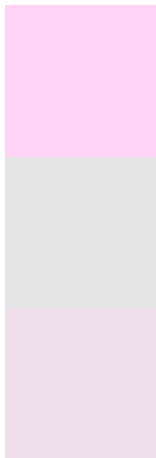
## Deuteranomaly

74.9374, 0.3134, 0.2997

## Tritanomaly

75.2201, 0.3269, 0.3071

# Monochromacy



## Original Color

75.0008, 0.3208, 0.2955

## 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 75.0008, 0.3208, 0.2955 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, 212, 246)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 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, 212, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 75.0008, 0.3208, 0.2955 is called "border". The border property can be set on classes, ids or directly on the HTML element.

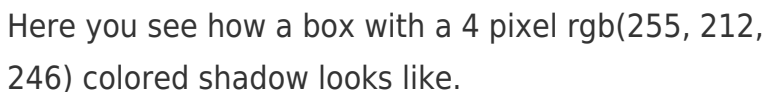
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 212, 246) }
```

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

```
.border{ border-color:rgb(255, 212, 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, 212, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 246);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.0008, 0.3208, 0.2955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 246) }
```

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

```
.background{ background-color: rgb(255,  
212, 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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