

# Converting Colors

Yxy(69.9643, 0.3207, 0.2839)

Have a look what the booklet for  
Yxy(69.9643, 0.3207, 0.2839)  
contains.

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# Color

**Yxy(69.7487, 0.3208, 0.2836)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC9F7
RGB	255, 201, 247
RGB Percent	100%, 79%, 97%
CMY	0.0002, 0.2116, 0.0314
CMYK	0.00, 0.21, 0.03, 0.00
HSL	309°, 100%, 89%
HSV	309°, 21%, 100%
XYZ	78.8977, 69.7487, 97.2940
YIQ	222.3900, 17.4180, 25.7540

# Conversions

## Conversions Part 2

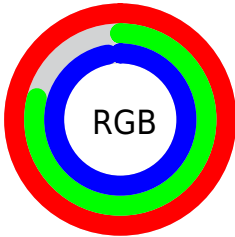
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 201, 247
Decimal	16763383
CIE Lab	86.87, 26.49, -15.27
CIE LCh	87, 30.573, 330.039
Yxy	69.7487, 0.3208, 0.2836
Android (android.graphics.Color)	4294953463 (0xFFFFC9F7)
YUV	222.3900, 12.1327, 28.5990
Hunter-Lab	83.5157, 22.4774, -10.6106

# Details

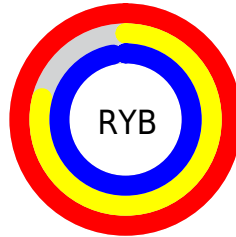
The Yxy color **69.7487, 0.3208, 0.2836** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.5066, 0.3056, 0.3791**, and the grayscale version is **73.2394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.6348, 0.3222, 0.2737** is the 20% darker color. If you saturate the color by 10%, you get **58.6036, 0.3254, 0.2617**, and if you desaturate by 10%, it is **82.8772, 0.3167, 0.3054**.

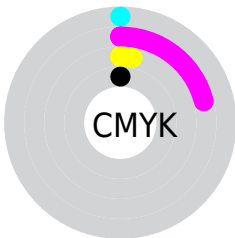
# Distribution



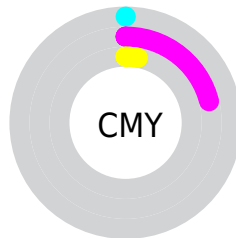
- Red (100%)
- Green (79%)
- Blue (97%)



- Red (100%)
- Yellow (79%)
- Blue (97%)



- Cyan (0%)
- Magenta (21%)
- Yellow (3%)
- Black (0%)



- Cyan (0%)
- Magenta (21%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.7487, 0.3208, 0.2836 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 69.7487, 0.3208, 0.2836 by changing the saturation by 10% instead.



 69.7487, 0.3208,  
0.2836

 69.7487, 0.3208,  
0.2836


459.6672, 0.3174,  
0.3039

 51.3217, 0.3215,  
0.2791


118.8503, 0.3197,  
0.2905

 36.4647, 0.3223,  
0.2736


150.2937, 0.3192,  
0.2933

 24.7933, 0.3233,  
0.2668


186.8447, 0.3188,  
0.2956

 15.9231, 0.3245,  
0.2581

228.8876, 0.3185,  
0.2977

 9.4698, 0.3260,  
0.2466

276.8070, 0.3182,  
0.2995

 5.0488, 0.3278,  
0.2308


330.9871, 0.3179,


 2.2759, 0.3300,

0.3012

0.2076


391.8123, 0.3176,  
0.3026

 0.7609, 0.3323,  
0.1700


 0.0000, 0.3150,  
0.0000


 69.7487, 0.3208,  
0.2836

 69.7487, 0.3208,  
0.2836

 58.6036, 0.3254,  
0.2617


 82.8772, 0.3167,  
0.3054

 49.3355, 0.3305,  
0.2405

 98.0704, 0.3131,  
0.3266

 41.8419, 0.3359,  
0.2210

99.9888, 0.3127,  
0.3290

 36.0069, 0.3416,  
0.2042

■ 31.7006, 0.3474,  
0.1910

■ 28.7741, 0.3531,  
0.1821

■ 27.0485, 0.3585,  
0.1778

■ 26.2772, 0.3630,  
0.1773

# Harmonies

## Analogous

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



69.7487, 0.2840, 0.2699



69.7487, 0.3208, 0.2836



69.7487, 0.3573, 0.3078

# Triad

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



69.7487, 0.3208, 0.2836



69.7487, 0.3701, 0.3895



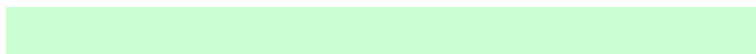
69.7487, 0.2480, 0.3139

# Complementary

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



69.7487, 0.3208, 0.2836



88.5066, 0.3056, 0.3791

# 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.



69.7487, 0.2686, 0.3501



69.7487, 0.3208, 0.2836



69.7487, 0.3387, 0.3959

# Square

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



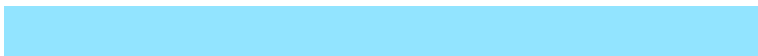
69.7487, 0.3208, 0.2836



69.7487, 0.3865, 0.3673



69.7487, 0.3014, 0.3815



69.7487, 0.2439, 0.2850



# Rectangle

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



69.7487, 0.3208, 0.2836



69.7487, 0.3756, 0.3274



69.7487, 0.3014, 0.3815



69.7487, 0.2532, 0.3256

# Sweetspot

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



69.7518, 0.3208, 0.2836



90.4793, 0.3148, 0.3165



62.4459, 0.2819, 0.2708



19.1543, 0.3150, 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.



69.7518, 0.3208, 0.2836



65.2601, 0.3225, 0.2751



68.2465, 0.3402, 0.3090



18.2516, 0.3161, 0.3090



13.7552, 0.3622, 0.1769



1.3513, 0.3567, 0.1739



# Inverse Universe

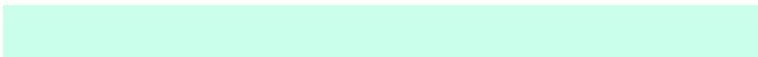
The Inverse Universe completely reimagines the original color for something new.



69.7518, 0.3208, 0.2836



65.2601, 0.3225, 0.2751



89.9124, 0.2914, 0.3500



18.2516, 0.3161, 0.3090



13.7552, 0.3622, 0.1769



1.3513, 0.3567, 0.1739



# Previews

## White Background



This preview shows how the Yxy color 69.7487, 0.3208, 0.2836 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

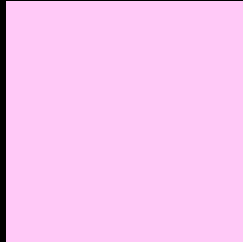
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.7487, 0.3208, 0.2836 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

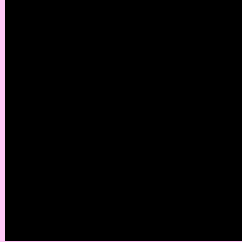
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.7487, 0.3208, 0.2836**

## Background



This preview shows how black text looks on a background with the Yxy color 69.7487, 0.3208, 0.2836.



This preview shows how white text looks on a background with the Yxy color 69.7487, 0.3208, 0.2836.

# 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

69.7487, 0.3208, 0.2836

### Protanopia

70.0334, 0.2839, 0.2874

### Deuteranopia

69.8483, 0.3008, 0.2943



## Tritanopia

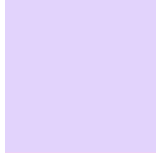
69.8723, 0.3363, 0.3137

# Trichromacy



## Original Color

69.7487, 0.3208, 0.2836



## Protanomaly

69.7856, 0.2963, 0.2863



## Deuteranomaly

69.7701, 0.3080, 0.2899



## Tritanomaly

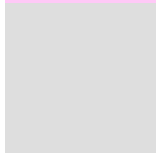
69.5943, 0.3307, 0.3027

# Monochromacy



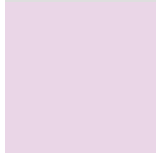
## Original Color

69.7487, 0.3208, 0.2836



## Achromatopsia

73.0461, 0.3127, 0.3290



## Achromatomaly

71.3551, 0.3157, 0.3112

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.7487, 0.3208, 0.2836 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, 201, 247)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 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, 201, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 69.7487, 0.3208, 0.2836 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, 201, 247) }
```

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

```
.border{ border-color:rgb(255, 201, 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, 201, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 247);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.7487, 0.3208, 0.2836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 201, 247) }
```

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

```
.background{ background-color: rgb(255,  
201, 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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