

# Converting Colors

$Y_{xy}(70.0063, 0.2691, 0.2086)$

Have a look what the booklet for  
Yxy(70.0063, 0.2691, 0.2086)  
contains.

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# Color

**Yxy(64.3106, 0.3135, 0.2639)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FCBDFE
RGB	252, 189, 255
RGB Percent	99%, 74%, 100%
CMY	0.0117, 0.2588, 0.0000
CMYK	0.01, 0.26, 0.00, 0.00
HSL	297°, 100%, 87%
HSV	297°, 26%, 100%
XYZ	76.3978, 64.3106, 102.9847
YIQ	215.3610, 16.3620, 33.8820

# Conversions

## Conversions Part 2

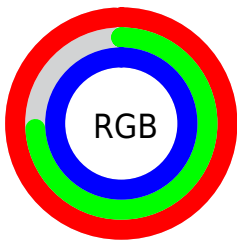
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	252, 189, 255
Decimal	16563711
CIE Lab	84.13, 33.31, -23.69
CIE LCh	84, 40.872, 324.580
Yxy	64.3106, 0.3135, 0.2639
Android (android.graphics.Color)	4294753791 (0xFFFCBDF5)
YUV	215.3610, 19.5420, 32.1324
Hunter-Lab	80.1939, 29.7111, -20.0043

# Details

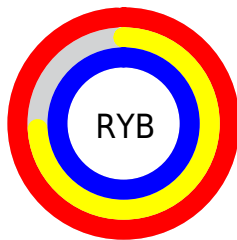
The Yxy color **64.3106, 0.3135, 0.2639** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **86.3885, 0.3110, 0.4030**, and the grayscale version is **68.0716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3915, 0.3131, 0.3204**, and **33.0073, 0.3134, 0.2501** is the 20% darker color. If you saturate the color by 10%, you get **54.0780, 0.3136, 0.2389**, and if you desaturate by 10%, it is **76.4784, 0.3133, 0.2894**.

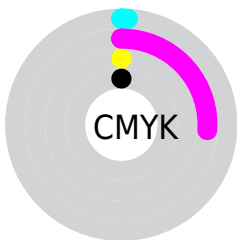
# Distribution



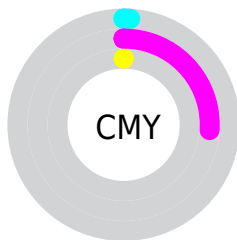
- Red (99%)
- Green (74%)
- Blue (100%)



- Red (99%)
- Yellow (74%)
- Blue (100%)



- Cyan (1%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)




- Cyan (1%)
- Magenta (26%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.3106, 0.3135, 0.2639 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 64.3106, 0.3135, 0.2639 by changing the saturation by 10% instead.




 64.3106, 0.3135,  
0.2639

 64.3106, 0.3135,  
0.2639


440.3104, 0.3138,  
0.2930

 46.9023, 0.3133,  
0.2575


 111.0581, 0.3137,  
0.2738

 32.9584, 0.3130,  
0.2498


141.1661, 0.3138,  
0.2777

 22.0946, 0.3124,  
0.2402


176.2762, 0.3138,  
0.2811

 13.9264, 0.3115,  
0.2281

216.7726, 0.3138,  
0.2840

 8.0695, 0.3100,  
0.2122

263.0399, 0.3138,  
0.2866

 4.1395, 0.3073,  
0.1906


315.4623, 0.3138,


 1.7519, 0.3018,


0.2890


0.1601


374.4244, 0.3138,  
0.2911


 0.4569, 0.2936,  
0.1019


 0.0000, 0.1707,  
0.0000

 64.3106, 0.3135,  
0.2639


 64.3106, 0.3135,  
0.2639

 54.0780, 0.3136,  
0.2389


 76.4784, 0.3133,  
0.2894

 45.6713, 0.3134,  
0.2154

 90.6667, 0.3130,  
0.3146

 38.9832, 0.3131,  
0.1943

99.9993, 0.3127,  
0.3290

 33.8915, 0.3126,  
0.1767

■ 30.2583, 0.3119,  
0.1631

■ 27.9222, 0.3110,  
0.1540

■ 26.6830, 0.3099,  
0.1491

■ 26.3706, 0.3095,  
0.1479

# Harmonies

## Analogous

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



64.3106, 0.2654, 0.2487



64.3106, 0.3135, 0.2639



64.3106, 0.3653, 0.2933

# Triad

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



64.3106, 0.3135, 0.2639



64.3106, 0.3965, 0.4061



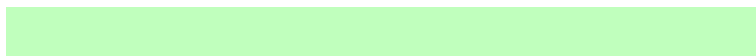
64.3106, 0.2289, 0.3156

# Complementary

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



64.3106, 0.3135, 0.2639



86.3885, 0.3110, 0.4030

# 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.



64.3106, 0.2593, 0.3672



64.3106, 0.3135, 0.2639



64.3106, 0.3557, 0.4222

# Square

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



64.3106, 0.3135, 0.2639



64.3106, 0.4151, 0.3720



64.3106, 0.3053, 0.4088



64.3106, 0.2198, 0.2739



# Rectangle

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



64.3106, 0.3135, 0.2639



64.3106, 0.3935, 0.3183



64.3106, 0.3053, 0.4088



64.3106, 0.2368, 0.3325

# Sweetspot

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



64.3134, 0.3135, 0.2639



87.4946, 0.3130, 0.3093



55.8670, 0.2681, 0.2585



18.2564, 0.3131, 0.3055



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.



64.3134, 0.3135, 0.2639



58.8442, 0.3136, 0.2510



63.1039, 0.3384, 0.2922



18.2564, 0.3131, 0.3055



13.7987, 0.3097, 0.1480



1.3559, 0.3110, 0.1487



# Inverse Universe

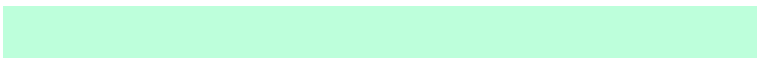
The Inverse Universe completely reimagines the original color for something new.



61.4556, 0.3658, 0.3261



55.5660, 0.3804, 0.3255



87.4301, 0.2933, 0.3690



18.0003, 0.3287, 0.3280



11.1276, 0.6356, 0.3275



1.0879, 0.6249, 0.3216



# Previews

## White Background



This preview shows how the Yxy color 64.3106, 0.3135, 0.2639 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

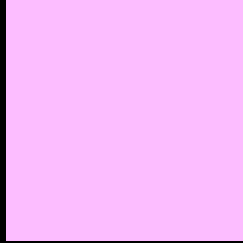
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.3106, 0.3135, 0.2639 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 64.3106, 0.3135, 0.2639**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.3106, 0.3135, 0.2639.

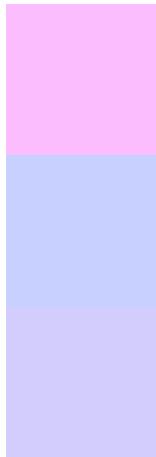


This preview shows how white text looks on a background with the Yxy color 64.3106, 0.3135, 0.2639.

# 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

64.3106, 0.3135, 0.2639

### Protanopia

64.4739, 0.2762, 0.2775

### Deuteranopia

64.3926, 0.2851, 0.2782



## Tritanopia

64.2788, 0.3405, 0.3133

# Trichromacy



## Original Color

64.3106, 0.3135, 0.2639



## Protanomaly

63.8987, 0.2886, 0.2718



## Deuteranomaly

63.9462, 0.2948, 0.2724



## Tritanomaly

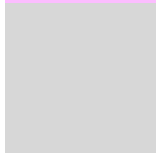
64.1415, 0.3301, 0.2940

# Monochromacy



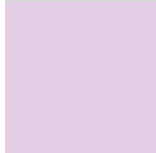
## Original Color

64.3106, 0.3135, 0.2639



## Achromatopsia

67.9542, 0.3127, 0.3290



## Achromatomaly

66.3498, 0.3124, 0.3033

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.3106, 0.3135, 0.2639 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(252, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(252, 189, 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(252, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 189, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 64.3106, 0.3135, 0.2639 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(252, 189, 255) }
```

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

```
.border{ border-color:rgb(252, 189, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 189, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 189, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 189, 255);  
box-shadow:4px 4px 4px 4px rgb(252, 189,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.3106, 0.3135, 0.2639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 189, 255) }
```

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

```
.background{ background-color: rgb(252,  
189, 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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