

# Converting Colors

$Y_{xy}(66.9216, 0.2938, 0.2414)$

Have a look what the booklet for  
Yxy(66.9216, 0.2938, 0.2414)  
contains.

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# Color

**Yxy(64.9908, 0.3126, 0.2657)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBBFFF
RGB	251, 191, 255
RGB Percent	98%, 75%, 100%
CMY	0.0158, 0.2509, 0.0000
CMYK	0.02, 0.25, 0.00, 0.00
HSL	296°, 100%, 87%
HSV	296°, 25%, 100%
XYZ	76.4626, 64.9908, 103.1487
YIQ	216.2360, 15.2160, 32.6240

# Conversions

## Conversions Part 2

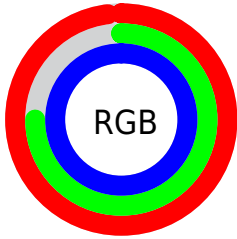
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	251, 191, 255
Decimal	16498687
CIE <sub>Lab</sub>	84.48, 31.92, -23.19
CIE <sub>LCh</sub>	84, 39.455, 324.009
Yxy	64.9908, 0.3126, 0.2657
Android (android.graphics.Color)	4294688767 (0xFFFFBBFF)
YUV	216.2360, 19.1107, 30.4880
Hunter-Lab	80.6169, 28.2223, -19.4293

# Details

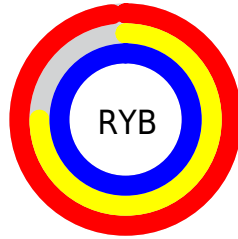
The Yxy color  $64.9908, 0.3126, 0.2657$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $86.8882, 0.3118, 0.4003$ , and the grayscale version is  $68.6972, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $95.6148, 0.3130, 0.3223$ , and  $33.4379, 0.3123, 0.2523$  is the 20% darker color. If you saturate the color by 10%, you get  $54.5239, 0.3123, 0.2405$ , and if you desaturate by 10%, it is  $77.3978, 0.3128, 0.2913$ .

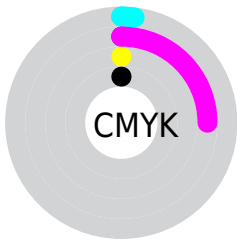
# Distribution



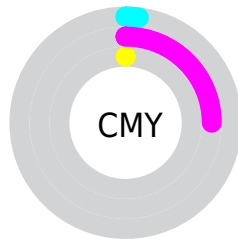
- Red (98%)
- Green (75%)
- Blue (100%)



- Red (98%)
- Yellow (75%)
- Blue (100%)



- Cyan (2%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)




- Cyan (2%)
- Magenta (25%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9908, 0.3126, 0.2657 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 64.9908, 0.3126, 0.2657 by changing the saturation by 10% instead.




 64.9908, 0.3126,  
0.2657

 64.9908, 0.3126,  
0.2657


442.7589, 0.3133,  
0.2940

 47.4536, 0.3123,  
0.2595


 112.0366, 0.3129,  
0.2753

 33.3944, 0.3119,  
0.2520


142.3141, 0.3131,  
0.2791

 22.4288, 0.3112,  
0.2426


177.6071, 0.3131,  
0.2824

 14.1723, 0.3102,  
0.2308

218.3000, 0.3132,  
0.2853

 8.2406, 0.3086,  
0.2153

264.7772, 0.3132,  
0.2878

 4.2493, 0.3056,  
0.1943

317.4232, 0.3132,

 1.8140, 0.3000,

0.2901

0.1643

376.6223, 0.3133,  
0.2921

0.4959, 0.2908,  
0.1092

0.0000, 0.1719,  
0.0000

64.9908, 0.3126,  
0.2657

64.9908, 0.3126,  
0.2657

54.5239, 0.3123,  
0.2405

77.3978, 0.3128,  
0.2913

45.8946, 0.3117,  
0.2165

91.8359, 0.3128,  
0.3165

38.9943, 0.3109,  
0.1949

100.0000, 0.3127,  
0.3290

33.7020, 0.3099,  
0.1766

■ 29.8811, 0.3086,  
0.1623

■ 27.3724, 0.3072,  
0.1525

■ 25.9798, 0.3057,  
0.1469

■ 25.5672, 0.3049,  
0.1453

# Harmonies

## Analogous

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



64.9908, 0.2664, 0.2513



64.9908, 0.3126, 0.2657



64.9908, 0.3625, 0.2940

# Triad

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



64.9908, 0.3126, 0.2657



64.9908, 0.3940, 0.4029



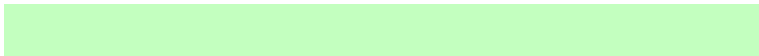
64.9908, 0.2323, 0.3172

# Complementary

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



64.9908, 0.3126, 0.2657



86.8882, 0.3118, 0.4003

# 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.



64.9908, 0.2620, 0.3666



64.9908, 0.3126, 0.2657



64.9908, 0.3552, 0.4185

# Square

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



64.9908, 0.3126, 0.2657



64.9908, 0.4113, 0.3700



64.9908, 0.3067, 0.4060



64.9908, 0.2230, 0.2767



# Rectangle

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



64.9908, 0.3126, 0.2657



64.9908, 0.3898, 0.3181



64.9908, 0.3067, 0.4060



64.9908, 0.2401, 0.3334

# Sweetspot

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



64.9915, 0.3126, 0.2657



87.4256, 0.3128, 0.3093



57.4518, 0.2698, 0.2622



18.2388, 0.3128, 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.



64.9915, 0.3126, 0.2657



59.6200, 0.3125, 0.2532



64.0871, 0.3365, 0.2923



18.2388, 0.3128, 0.3055



13.3843, 0.3052, 0.1455



1.3201, 0.3071, 0.1465



# Inverse Universe

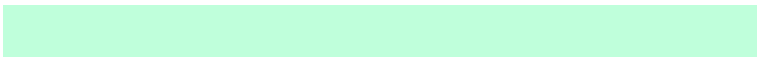
The Inverse Universe completely reimagines the original color for something new.



62.4675, 0.3627, 0.3250



56.7318, 0.3762, 0.3241



87.6984, 0.2944, 0.3688



18.0056, 0.3285, 0.3275



11.1354, 0.6337, 0.3265



1.0904, 0.6191, 0.3184



# Previews

## White Background



This preview shows how the Yxy color 64.9908, 0.3126, 0.2657 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

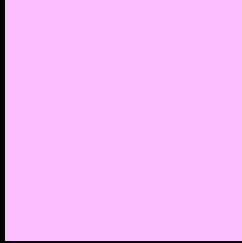
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.9908, 0.3126, 0.2657 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

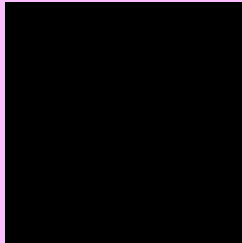
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.9908, 0.3126, 0.2657**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.9908, 0.3126, 0.2657.

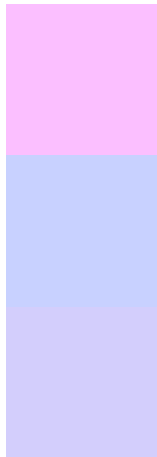


This preview shows how white text looks on a background with the Yxy color 64.9908, 0.3126, 0.2657.

# 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

64.9908, 0.3126, 0.2657

### Protanopia

65.1003, 0.2769, 0.2788

### Deuteranopia

65.0198, 0.2858, 0.2795



## Tritanopia

65.1144, 0.3379, 0.3133

# Trichromacy



## Original Color

64.9908, 0.3126, 0.2657



## Protanomaly

64.5211, 0.2893, 0.2730



## Deuteranomaly

65.0339, 0.2955, 0.2746



## Tritanomaly

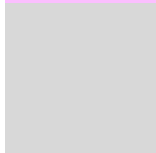
64.9112, 0.3284, 0.2950

# Monochromacy



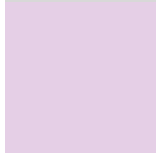
## Original Color

64.9908, 0.3126, 0.2657



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

66.9968, 0.3131, 0.3044

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.9908, 0.3126, 0.2657 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(251, 191, 255)` looks like.

```
.text, #text, p{  
    color:rgb(251, 191, 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(251, 191, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 191, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 64.9908, 0.3126, 0.2657 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(251, 191, 255) }
```

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

```
.border{ border-color:rgb(251, 191, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 191, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 191, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 191, 255);  
box-shadow:4px 4px 4px 4px rgb(251, 191,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.9908, 0.3126, 0.2657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 191, 255) }
```

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

```
.background{ background-color: rgb(251,  
191, 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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