

# Converting Colors

$Y_{xy}(68.7809, 0.2562, 0.1907)$

Have a look what the booklet for  
Yxy(68.7809, 0.2562, 0.1907)  
contains.

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# Color

**Yxy(61.4574, 0.3106, 0.2583)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8B8FF
RGB	248, 184, 255
RGB Percent	97%, 72%, 100%
CMY	0.0274, 0.2784, 0.0000
CMYK	0.03, 0.28, 0.00, 0.00
HSL	294°, 100%, 86%
HSV	294°, 28%, 100%
XYZ	73.9012, 61.4574, 102.5718
YIQ	211.2300, 15.3530, 35.6490

# Conversions

## Conversions Part 2

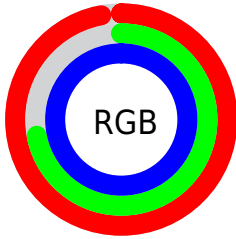
Format	Color
R <sub>Y</sub> B	248, 184, 255
Decimal	16300287
CIE Lab	82.62, 34.67, -26.02
CIE LCh	83, 43.344, 323.112
Yxy	61.4574, 0.3106, 0.2583
Android (android.graphics.Color)	4294490367 (0xFFFF8B8FF)
YUV	211.2300, 21.5786, 32.2473
Hunter-Lab	78.3948, 31.0775, -22.6987

# Details

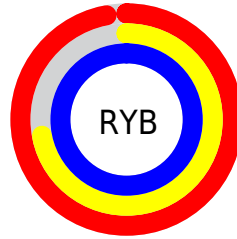
The Yxy color  $61.4574, 0.3106, 0.2583$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $86.0557, 0.3131, 0.4089$ , and the grayscale version is  $65.1501, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $91.3906, 0.3133, 0.3156$ , and  $31.1188, 0.3096, 0.2429$  is the 20% darker color. If you saturate the color by 10%, you get  $51.3471, 0.3093, 0.2329$ , and if you desaturate by 10%, it is  $73.4885, 0.3116, 0.2842$ .

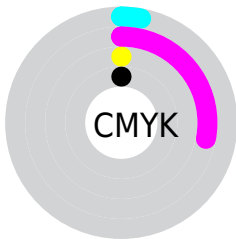
# Distribution



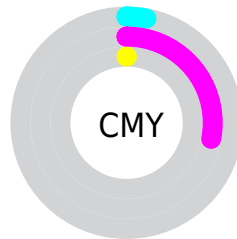
- Red (97%)
- Green (72%)
- Blue (100%)



- Red (97%)
- Yellow (72%)
- Blue (100%)



- Cyan (3%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (3%)
- Magenta (28%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.4574, 0.3106, 0.2583 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 61.4574, 0.3106, 0.2583 by changing the saturation by 10% instead.




 61.4574, 0.3106,  
0.2583

 61.4574, 0.3106,  
0.2583


429.9491, 0.3124,  
0.2899

 44.5944, 0.3100,  
0.2513


 106.9409, 0.3114,  
0.2691

 31.1381, 0.3092,  
0.2429


136.3303, 0.3116,  
0.2733

 20.7040, 0.3081,  
0.2325


170.6638, 0.3118,  
0.2770

 12.9078, 0.3064,  
0.2192

210.3261, 0.3120,  
0.2802

 7.3651, 0.3037,  
0.2019

255.7013, 0.3121,  
0.2831

 3.6915, 0.2991,  
0.1784


307.1739, 0.3122,


 1.5025, 0.2906,


0.2856


0.1454


365.1284, 0.3123,  
0.2879


 0.2905, 0.2804,  
0.0705


 0.0000, 0.0702,  
0.0000


 61.4574, 0.3106,  
0.2583


 61.4574, 0.3106,  
0.2583

 51.3471, 0.3093,  
0.2329


 73.4885, 0.3116,  
0.2842

 43.0470, 0.3077,  
0.2090

 87.5274, 0.3123,  
0.3097

 36.4476, 0.3058,  
0.1875

99.9998, 0.3127,  
0.3290

 31.4239, 0.3037,  
0.1695

■ 27.8342, 0.3013,  
0.1556

■ 25.5110, 0.2988,  
0.1463

■ 24.2304, 0.2963,  
0.1411

■ 24.0209, 0.2957,  
0.1403

# Harmonies

## Analogous

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



61.4574, 0.2597, 0.2429



61.4574, 0.3106, 0.2583



61.4574, 0.3667, 0.2889

# Triad

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



61.4574, 0.3106, 0.2583



61.4574, 0.4041, 0.4099



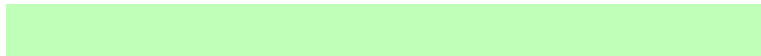
61.4574, 0.2241, 0.3168

# Complementary

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



61.4574, 0.3106, 0.2583



86.0557, 0.3131, 0.4089

# 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.



61.4574, 0.2573, 0.3728



61.4574, 0.3106, 0.2583



61.4574, 0.3610, 0.4293

# Square

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



61.4574, 0.3106, 0.2583



61.4574, 0.4230, 0.3724



61.4574, 0.3071, 0.4170



61.4574, 0.2133, 0.2713



# Rectangle

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



61.4574, 0.3106, 0.2583



61.4574, 0.3979, 0.3151



61.4574, 0.3071, 0.4170



61.4574, 0.2328, 0.3352

# Sweetspot

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



61.4601, 0.3106, 0.2583



87.2886, 0.3123, 0.3093



54.7185, 0.2647, 0.2564



18.2041, 0.3122, 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.



61.4601, 0.3106, 0.2583



56.0102, 0.3100, 0.2451



61.0671, 0.3379, 0.2859



18.2041, 0.3122, 0.3055



12.5889, 0.2962, 0.1405



1.2510, 0.2992, 0.1422



# Inverse Universe

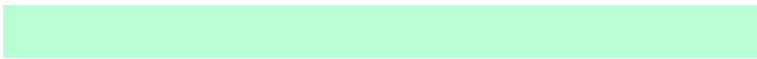
The Inverse Universe completely reimagines the original color for something new.



59.3047, 0.3679, 0.3219



53.5896, 0.3823, 0.3205



86.4830, 0.2938, 0.3766



18.0161, 0.3279, 0.3267



11.1553, 0.6290, 0.3239



1.0954, 0.6080, 0.3123



# Previews

## White Background



This preview shows how the Yxy color 61.4574, 0.3106, 0.2583 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

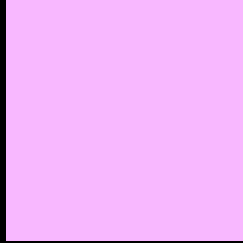
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.4574, 0.3106, 0.2583 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

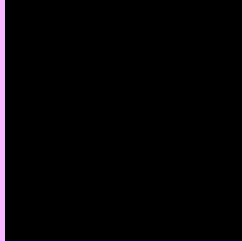
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 61.4574, 0.3106, 0.2583**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.4574, 0.3106, 0.2583.



This preview shows how white text looks on a background with the Yxy color 61.4574, 0.3106, 0.2583.

# 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

61.4574, 0.3106, 0.2583

### Protanopia

61.7432, 0.2719, 0.2724

### Deuteranopia

61.9658, 0.2802, 0.2742



## Tritanopia

61.3948, 0.3402, 0.3130

# Trichromacy



## Original Color

61.4574, 0.3106, 0.2583



## Protanomaly

61.2986, 0.2849, 0.2668



## Deuteranomaly

61.1821, 0.2904, 0.2673



## Tritanomaly

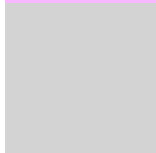
61.4963, 0.3297, 0.2925

# Monochromacy



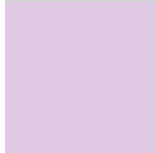
## Original Color

61.4574, 0.3106, 0.2583



## Achromatopsia

65.1406, 0.3127, 0.3290



## Achromatomaly

63.1666, 0.3118, 0.3007

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.4574, 0.3106, 0.2583 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(248, 184, 255)` looks like.

```
.text, #text, p{  
    color:rgb(248, 184, 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(248, 184, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 184, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 61.4574, 0.3106, 0.2583 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(248, 184, 255) }
```

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

```
.border{ border-color:rgb(248, 184, 255) }
```

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

Here you see how a box with a 4 pixel rgb(248, 184, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 184, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 184, 255);  
box-shadow:4px 4px 4px 4px rgb(248, 184,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.4574, 0.3106, 0.2583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 184, 255) }
```

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

```
.background{ background-color: rgb(248,  
184, 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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