

# Converting Colors

Yxy(63.4416, 0.3184, 0.2646)

Have a look what the booklet for  
Yxy(63.4416, 0.3184, 0.2646)  
contains.

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# Color

**Yxy(63.4061, 0.3181, 0.2641)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBAFC
RGB	255, 186, 252
RGB Percent	100%, 73%, 99%
CMY	0.0000, 0.2706, 0.0118
CMYK	0.00, 0.27, 0.01, 0.00
HSL	303°, 100%, 86%
HSV	303°, 27%, 100%
XYZ	76.3706, 63.4061, 100.3070
YIQ	214.1550, 19.9380, 35.1540

# Conversions

## Conversions Part 2

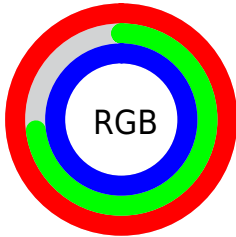
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 186, 252
Decimal	16759548
CIE Lab	83.66, 35.29, -22.78
CIE LCh	84, 42.003, 327.149
Yxy	63.4061, 0.3181, 0.2641
Android (android.graphics.Color)	4294949628 (0xFFFFBAFC)
YUV	214.1550, 18.6576, 35.8211
Hunter-Lab	79.6279, 31.8492, -18.9478

# Details

The Yxy color  $63.4061, 0.3181, 0.2641$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $85.6339, 0.3074, 0.4038$ , and the grayscale version is  $67.2176, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $92.5812, 0.3133, 0.3175$ , and  $32.3130, 0.3185, 0.2502$  is the 20% darker color. If you saturate the color by 10%, you get  $53.5348, 0.3203, 0.2405$ , and if you desaturate by 10%, it is  $75.1981, 0.3160, 0.2883$ .

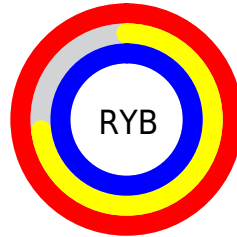
# Distribution



Red (100%)

Green (73%)

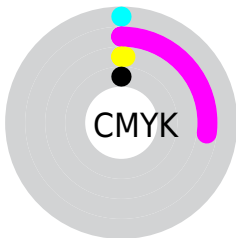
Blue (99%)



Red (100%)

Yellow (73%)

Blue (99%)

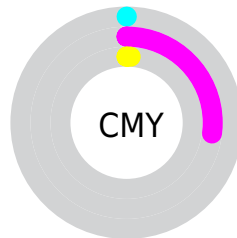


Cyan (0%)

Magenta (27%)

Yellow (1%)

Black (0%)



Cyan (0%)

Magenta (27%)

Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.4061, 0.3181, 0.2641 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 63.4061, 0.3181, 0.2641 by changing the saturation by 10% instead.




 63.4061, 0.3181,  
0.2641

 63.4061, 0.3181,  
0.2641


437.0418, 0.3163,  
0.2931

 46.1698, 0.3184,  
0.2577


 109.7552, 0.3176,  
0.2740

 32.3798, 0.3186,  
0.2500


139.6368, 0.3173,  
0.2779

 21.6518, 0.3189,  
0.2404


174.5022, 0.3171,  
0.2812

 13.6013, 0.3190,  
0.2282

214.7360, 0.3169,  
0.2842

 7.8439, 0.3188,  
0.2122

260.7225, 0.3167,  
0.2868

 3.9952, 0.3179,  
0.1905

312.8460, 0.3166,


 1.6709, 0.3153,


0.2892


0.1596


371.4910, 0.3164,  
0.2912


 0.4047, 0.3132,  
0.0964

 0.0000, 0.1896,  
0.0000


 63.4061, 0.3181,  
0.2641


 63.4061, 0.3181,  
0.2641

 53.5348, 0.3203,  
0.2405


 75.1981, 0.3160,  
0.2883

 45.4774, 0.3226,  
0.2185

 89.0003, 0.3140,  
0.3124

 39.1242, 0.3248,  
0.1991

100.0000, 0.3127,  
0.3290

 34.3514, 0.3269,  
0.1832

■ 31.0188, 0.3288,  
0.1715

■ 28.9615, 0.3305,  
0.1641

■ 27.9688, 0.3319,  
0.1609

■ 27.7861, 0.3323,  
0.1604

# Harmonies

## Analogous

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



63.4061, 0.2676, 0.2470



63.4061, 0.3181, 0.2641



63.4061, 0.3712, 0.2953

# Triad

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



63.4061, 0.3181, 0.2641



63.4061, 0.3961, 0.4107



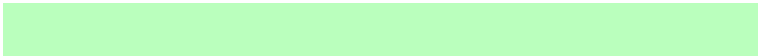
63.4061, 0.2247, 0.3107

# Complementary

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



63.4061, 0.3181, 0.2641



85.6339, 0.3074, 0.4038

# 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.



63.4061, 0.2541, 0.3639



63.4061, 0.3181, 0.2641



63.4061, 0.3526, 0.4254

# Square

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



63.4061, 0.3181, 0.2641



63.4061, 0.4178, 0.3765



63.4061, 0.3005, 0.4089



63.4061, 0.2173, 0.2693



# Rectangle

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



63.4061, 0.3181, 0.2641



63.4061, 0.3992, 0.3213



63.4061, 0.3005, 0.4089



63.4061, 0.2322, 0.3279

# Sweetspot

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



63.4077, 0.3181, 0.2641



87.6108, 0.3142, 0.3102



53.0695, 0.2669, 0.2511



18.2859, 0.3145, 0.3066



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.



63.4077, 0.3181, 0.2641



58.2943, 0.3192, 0.2523



61.4520, 0.3445, 0.2962



18.2859, 0.3145, 0.3066



14.5248, 0.3321, 0.1603



1.4183, 0.3307, 0.1596



# Inverse Universe

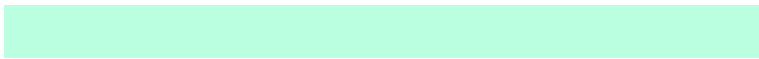
The Inverse Universe completely reimagines the original color for something new.



63.4077, 0.3181, 0.2641



58.2943, 0.3192, 0.2523



87.2766, 0.2894, 0.3645



18.2859, 0.3145, 0.3066



14.5248, 0.3321, 0.1603



1.4183, 0.3307, 0.1596



# Previews

## White Background



This preview shows how the Yxy color 63.4061, 0.3181, 0.2641 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

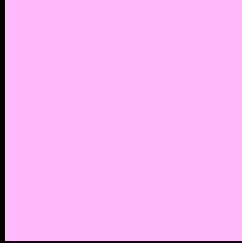
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.4061, 0.3181, 0.2641 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

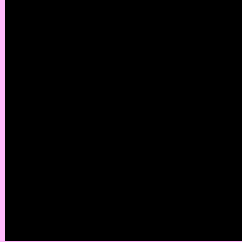
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.4061, 0.3181, 0.2641**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.4061, 0.3181, 0.2641.

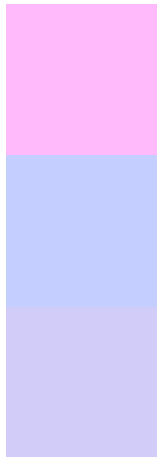


This preview shows how white text looks on a background with the Yxy color 63.4061, 0.3181, 0.2641.

# 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

63.4061, 0.3181, 0.2641

### Protanopia

63.7160, 0.2748, 0.2762

### Deuteranopia

63.7269, 0.2869, 0.2801



## Tritanopia

63.3268, 0.3458, 0.3134

# Trichromacy



## Original Color

63.4061, 0.3181, 0.2641



## Protanomaly

62.9080, 0.2891, 0.2706



## Deuteranomaly

63.0034, 0.2975, 0.2732



## Tritanomaly

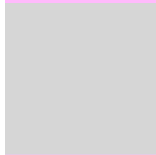
63.2071, 0.3351, 0.2942

# Monochromacy



## Original Color

63.4061, 0.3181, 0.2641



## Achromatopsia

67.2443, 0.3127, 0.3290



## Achromatomaly

65.4452, 0.3147, 0.3033

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.4061, 0.3181, 0.2641 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, 186, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 252)  
}
```

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, 186, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 63.4061, 0.3181, 0.2641 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, 186, 252) }
```

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

```
.border{ border-color:rgb(255, 186, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 186, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 186, 252); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 186, 252); box-shadow:4px 4px 4px 4px rgb(255, 186, 252) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.4061, 0.3181, 0.2641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 186, 252) }
```

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

```
.background{ background-color: rgb(255,  
186, 252) }
```

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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