

# Converting Colors

$Y_{xy}(61.8999, 0.3132, 0.2584)$

Have a look what the booklet for  
Yxy(61.8999, 0.3132, 0.2584)  
contains.

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# Color

**Yxy(62.0102, 0.3129, 0.2588)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBB8FF
RGB	251, 184, 255
RGB Percent	98%, 72%, 100%
CMY	0.0157, 0.2784, 0.0000
CMYK	0.02, 0.28, 0.00, 0.00
HSL	297°, 100%, 86%
HSV	297°, 28%, 100%
XYZ	74.9729, 62.0102, 102.6235
YIQ	212.1270, 17.1410, 36.2850

# Conversions

## Conversions Part 2

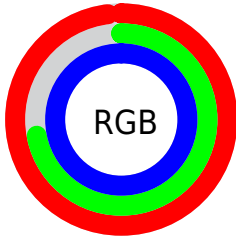
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	251, 184, 255
Decimal	16496895
CIE Lab	82.92, 35.61, -25.54
CIE LCh	83, 43.821, 324.348
Yxy	62.0102, 0.3129, 0.2588
Android (android.graphics.Color)	4294686975 (0xFFFBB8FF)
YUV	212.1270, 21.1364, 34.0916
Hunter-Lab	78.7466, 32.1396, -22.1449

# Details

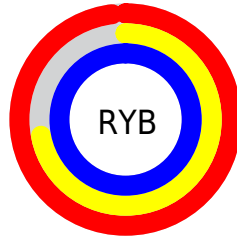
The Yxy color  $62.0102, 0.3129, 0.2588$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $85.6727, 0.3113, 0.4094$ , and the grayscale version is  $65.7772, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $91.3906, 0.3133, 0.3156$ , and  $31.5118, 0.3126, 0.2437$  is the 20% darker color. If you saturate the color by 10%, you get  $52.0902, 0.3126, 0.2339$ , and if you desaturate by 10%, it is  $73.8470, 0.3130, 0.2844$ .

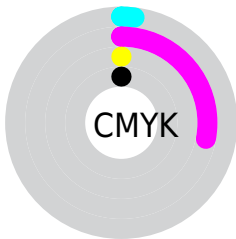
# Distribution



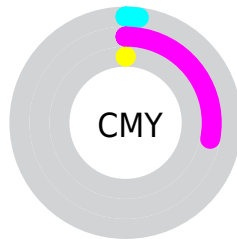
- Red (98%)
- Green (72%)
- Blue (100%)



- Red (98%)
- Yellow (72%)
- Blue (100%)



- Cyan (2%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)




- Cyan (2%)
- Magenta (28%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.0102, 0.3129, 0.2588 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 62.0102, 0.3129, 0.2588 by changing the saturation by 10% instead.



 62.0102, 0.3129,  
0.2588

 62.0102, 0.3129,  
0.2588

431.9683, 0.3136,  
0.2902

 45.0409, 0.3126,  
0.2519


 107.7403, 0.3133,  
0.2695

 31.4897, 0.3121,  
0.2436


137.2699, 0.3134,  
0.2737

 20.9720, 0.3113,  
0.2332


171.7551, 0.3135,  
0.2773

 13.1035, 0.3101,  
0.2201

211.5802, 0.3135,  
0.2805

 7.4999, 0.3082,  
0.2030

257.1297, 0.3135,  
0.2834

 3.7766, 0.3046,  
0.1799


308.7879, 0.3136,


 1.5494, 0.2977,


0.2859


0.1474

366.9393, 0.3136,  
0.2881

 0.3231, 0.2895,  
0.0765

 0.0000, 0.1175,  
0.0000

 62.0102, 0.3129,  
0.2588


 62.0102, 0.3129,  
0.2588

 52.0902, 0.3126,  
0.2339


 73.8470, 0.3130,  
0.2844

 43.9763, 0.3122,  
0.2106

 87.6875, 0.3129,  
0.3097

 37.5588, 0.3115,  
0.1899

99.9999, 0.3127,  
0.3290

 32.7132, 0.3106,  
0.1728

■ 29.2975, 0.3095,  
0.1598

■ 27.1442, 0.3082,  
0.1513

■ 26.0296, 0.3069,  
0.1469

■ 25.8554, 0.3066,  
0.1462

# Harmonies

## Analogous

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



62.0102, 0.2611, 0.2425



62.0102, 0.3129, 0.2588



62.0102, 0.3693, 0.2901

# Triad

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



62.0102, 0.3129, 0.2588



62.0102, 0.4034, 0.4118



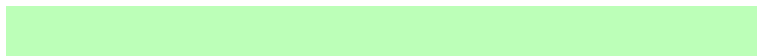
62.0102, 0.2225, 0.3144

# Complementary

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



62.0102, 0.3129, 0.2588



85.6727, 0.3113, 0.4094

# 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.



62.0102, 0.2551, 0.3709



62.0102, 0.3129, 0.2588



62.0102, 0.3592, 0.4303

# Square

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



62.0102, 0.3129, 0.2588



62.0102, 0.4237, 0.3744



62.0102, 0.3047, 0.4165



62.0102, 0.2127, 0.2693



# Rectangle

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



62.0102, 0.3129, 0.2588



62.0102, 0.4002, 0.3167



62.0102, 0.3047, 0.4165



62.0102, 0.2310, 0.3329

# Sweetspot

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



62.0129, 0.3129, 0.2588



87.4505, 0.3129, 0.3093



53.6947, 0.2644, 0.2537



18.2452, 0.3129, 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.



62.0129, 0.3129, 0.2588



56.6608, 0.3128, 0.2458



60.9385, 0.3399, 0.2882



18.2452, 0.3129, 0.3055



13.5327, 0.3068, 0.1464



1.3329, 0.3085, 0.1473



# Inverse Universe

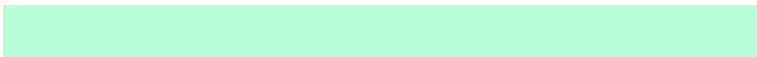
The Inverse Universe completely reimagines the original color for something new.



59.1750, 0.3705, 0.3250



53.4477, 0.3856, 0.3242



86.6050, 0.2925, 0.3739



18.0037, 0.3286, 0.3277



11.1325, 0.6344, 0.3268



1.0895, 0.6212, 0.3196



# Previews

## White Background



This preview shows how the Yxy color 62.0102, 0.3129, 0.2588 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

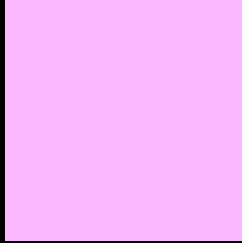
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.0102, 0.3129, 0.2588 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

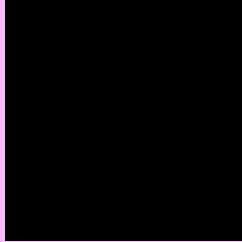
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.0102, 0.3129, 0.2588**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.0102, 0.3129, 0.2588.

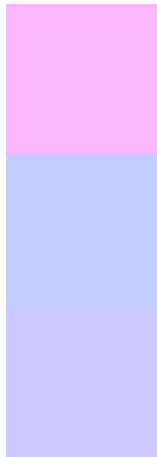


This preview shows how white text looks on a background with the Yxy color 62.0102, 0.3129, 0.2588.

# 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

62.0102, 0.3129, 0.2588

### Protanopia

62.3520, 0.2727, 0.2737

### Deuteranopia

62.1067, 0.2808, 0.2743



## Tritanopia

61.9271, 0.3427, 0.3132

# Trichromacy



## Original Color

62.0102, 0.3129, 0.2588



## Protanomaly

61.5996, 0.2863, 0.2671



## Deuteranomaly

61.4942, 0.2918, 0.2676



## Tritanomaly

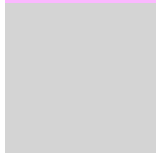
62.0373, 0.3321, 0.2928

# Monochromacy



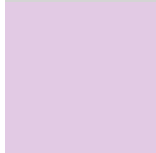
## Original Color

62.0102, 0.3129, 0.2588



## Achromatopsia

65.8375, 0.3127, 0.3290



## Achromatomaly

64.0112, 0.3125, 0.3009

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.0102, 0.3129, 0.2588 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, 184, 255)` looks like.

```
.text, #text, p{  
    color:rgb(251, 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(251, 184, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 184, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 62.0102, 0.3129, 0.2588 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, 184, 255) }
```

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

```
.border{ border-color:rgb(251, 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(251, 184, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 184, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 184, 255);  
box-shadow:4px 4px 4px 4px rgb(251, 184,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.0102, 0.3129, 0.2588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 184, 255) }
```

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

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