

# Converting Colors

$Y_{xy}(62.5585, 0.3294, 0.2780)$

Have a look what the booklet for  
Yxy(62.5585, 0.3294, 0.2780)  
contains.

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# Color

**Yxy(62.4922, 0.3295, 0.2779)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBAED
RGB	255, 186, 237
RGB Percent	100%, 73%, 93%
CMY	0.0000, 0.2706, 0.0705
CMYK	0.00, 0.27, 0.07, 0.00
HSL	316°, 100%, 86%
HSV	316°, 27%, 100%
XYZ	74.0956, 62.4922, 88.2851
YIQ	212.4450, 24.7530, 30.4890

# Conversions

## Conversions Part 2

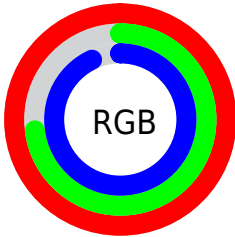
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 186, 237
Decimal	16759533
CIE Lab	83.17, 32.70, -15.51
CIE LCh	83, 36.188, 334.627
Yxy	62.4922, 0.3295, 0.2779
Android (android.graphics.Color)	4294949613 (0xFFFFBAED)
YUV	212.4450, 12.1056, 37.3207
Hunter-Lab	79.0520, 28.9675, -10.8786

# Details

The Yxy color  $62.4922, 0.3295, 0.2779$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $86.3163, 0.2994, 0.3863$ , and the grayscale version is  $66.0506, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $92.5812, 0.3133, 0.3175$ , and  $31.7090, 0.3327, 0.2663$  is the 20% darker color. If you saturate the color by 10%, you get  $52.3050, 0.3375, 0.2587$ , and if you desaturate by 10%, it is  $74.6026, 0.3225, 0.2972$ .

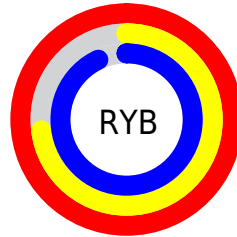
# Distribution



Red (100%)

Green (73%)

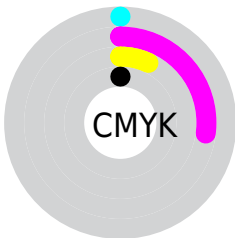
Blue (93%)



Red (100%)

Yellow (73%)

Blue (93%)

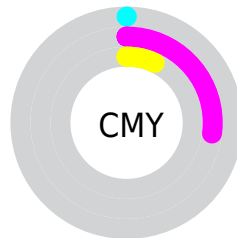


Cyan (0%)

Magenta (27%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (27%)


Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.4922, 0.3295, 0.2779 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 62.4922, 0.3295, 0.2779 by changing the saturation by 10% instead.



 62.4922, 0.3295,  
0.2779

 62.4922, 0.3295,  
0.2779


433.7242, 0.3220,  
0.3011

 45.4305, 0.3311,  
0.2727

 108.4366, 0.3270,  
0.2859

 31.7967, 0.3331,  
0.2664


138.0881, 0.3260,  
0.2890

 21.2062, 0.3356,  
0.2584


172.7050, 0.3251,  
0.2917

 13.2748, 0.3387,  
0.2482

212.6717, 0.3243,  
0.2940

 7.6181, 0.3428,  
0.2345

258.3725, 0.3236,  
0.2961

 3.8516, 0.3483,  
0.2155

310.1920, 0.3230,

 1.5909, 0.3561,

0.2980

0.1873

368.5144, 0.3225,  
0.2996

0.3514, 0.3792,  
0.1142

0.0000, 0.2343,  
0.0000

62.4922, 0.3295,  
0.2779

62.4922, 0.3295,  
0.2779

52.3050, 0.3375,  
0.2587

74.6026, 0.3225,  
0.2972

43.9513, 0.3465,  
0.2405

88.7431, 0.3164,  
0.3161

37.3152, 0.3564,  
0.2243

100.0000, 0.3127,  
0.3290

32.2731, 0.3669,  
0.2111

■ 28.6845, 0.3777,  
0.2020

■ 26.3842, 0.3885,  
0.1976

■ 25.1614, 0.3989,  
0.1981

■ 24.9137, 0.4020,  
0.1988

# Harmonies

## Analogous

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



62.4922, 0.2837, 0.2593



62.4922, 0.3295, 0.2779



62.4922, 0.3734, 0.3081

# Triad

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



62.4922, 0.3295, 0.2779



62.4922, 0.3776, 0.4055



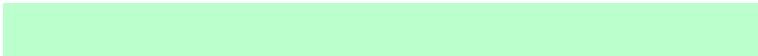
62.4922, 0.2322, 0.3034

# Complementary

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



62.4922, 0.3295, 0.2779



86.3163, 0.2994, 0.3863

# 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.



62.4922, 0.2538, 0.3478



62.4922, 0.3295, 0.2779



62.4922, 0.3369, 0.4110

# Square

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



62.4922, 0.3295, 0.2779



62.4922, 0.4016, 0.3797



62.4922, 0.2916, 0.3895



62.4922, 0.2305, 0.2709



# Rectangle

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



62.4922, 0.3295, 0.2779



62.4922, 0.3941, 0.3319



62.4922, 0.2916, 0.3895



62.4922, 0.2373, 0.3174

# Sweetspot

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



62.4881, 0.3295, 0.2779



87.3301, 0.3170, 0.3144



55.0635, 0.2773, 0.2533



18.2147, 0.3178, 0.3116



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.



62.4881, 0.3295, 0.2779



57.2257, 0.3333, 0.2684



60.6964, 0.3569, 0.3113



18.2147, 0.3178, 0.3116



13.0437, 0.4003, 0.1979



1.2879, 0.3892, 0.1918



# Inverse Universe

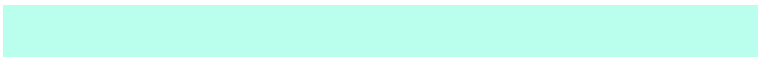
The Inverse Universe completely reimagines the original color for something new.



62.4881, 0.3295, 0.2779



57.2257, 0.3333, 0.2684



88.1159, 0.2817, 0.3477



18.2147, 0.3178, 0.3116



13.0437, 0.4003, 0.1979



1.2879, 0.3892, 0.1918



# Previews

## White Background



This preview shows how the Yxy color 62.4922, 0.3295, 0.2779 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

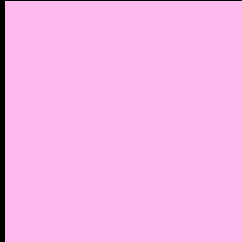
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.4922, 0.3295, 0.2779 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

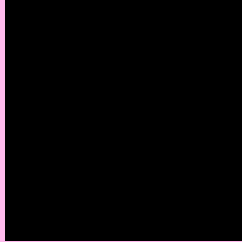
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.4922, 0.3295, 0.2779**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.4922, 0.3295, 0.2779.



This preview shows how white text looks on a background with the Yxy color 62.4922, 0.3295, 0.2779.

# 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

62.4922, 0.3295, 0.2779

### Protanopia

63.0505, 0.2783, 0.2803

### Deuteranopia

62.6286, 0.3002, 0.2938



## Tritanopia

62.6647, 0.3502, 0.3145

# Trichromacy



## Original Color

62.4922, 0.3295, 0.2779



## Protanomaly

62.4995, 0.2957, 0.2795



## Deuteranomaly

62.3010, 0.3108, 0.2874



## Tritanomaly

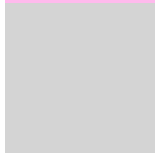
62.5321, 0.3424, 0.3012

# Monochromacy



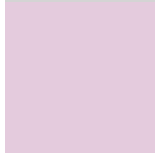
## Original Color

62.4922, 0.3295, 0.2779



## Achromatopsia

65.8375, 0.3127, 0.3290



## Achromatomaly

64.4263, 0.3190, 0.3095

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.4922, 0.3295, 0.2779 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, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 237)  
}
```

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, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 62.4922, 0.3295, 0.2779 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, 237) }
```

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

```
.border{ border-color:rgb(255, 186, 237) }
```

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, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.4922, 0.3295, 0.2779 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, 237) }
```

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

```
.background{ background-color: rgb(255,  
186, 237) }
```

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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