

# Converting Colors

$Y_{xy}(100.0000, 0.3406, 0.2235)$

Have a look what the booklet for  
Yxy(100.0000, 0.3406, 0.2235)  
contains.

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# Color

**Yxy(62.7610, 0.3160, 0.2595)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB8FF
RGB	255, 184, 255
RGB Percent	100%, 72%, 100%
CMY	0.0000, 0.2784, 0.0001
CMYK	0.00, 0.28, 0.00, 0.00
HSL	300°, 100%, 86%
HSV	300°, 28%, 100%
XYZ	76.4257, 62.7610, 102.6668
YIQ	213.3230, 19.5250, 37.1330

# Conversions

## Conversions Part 2

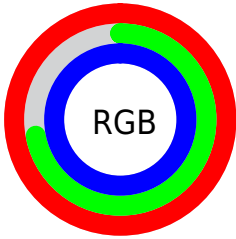
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 184, 255
Decimal	16759039
CIE <sub>Lab</sub>	83.32, 36.86, -24.88
CIE <sub>LCh</sub>	83, 44.472, 325.976
Yxy	62.7610, 0.3160, 0.2595
Android (android.graphics.Color)	4294949119 (0xFFFFB8FF)
YUV	213.3230, 20.5468, 36.5507
Hunter-Lab	79.2218, 33.5617, -21.3811

# Details

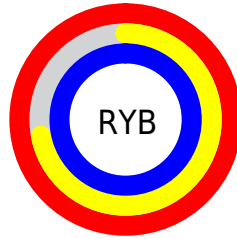
The Yxy color  $62.7610, 0.3160, 0.2595$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $85.1738, 0.3089, 0.4099$ , and the grayscale version is  $66.6185, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $91.3906, 0.3133, 0.3156$ , and  $31.9128, 0.3157, 0.2445$  is the 20% darker color. If you saturate the color by 10%, you get  $53.1059, 0.3171, 0.2352$ , and if you desaturate by 10%, it is  $74.3310, 0.3148, 0.2846$ .

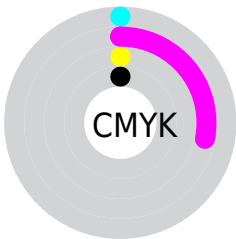
# Distribution



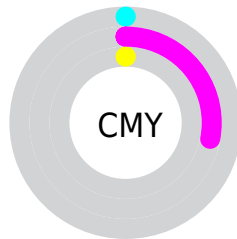
- Red (100%)
- Green (72%)
- Blue (100%)



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



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




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.7610, 0.3160, 0.2595 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 62.7610, 0.3160, 0.2595 by changing the saturation by 10% instead.





 62.7610, 0.3160,  
0.2595

 62.7610, 0.3160,  
0.2595


434.7016, 0.3152,  
0.2905

 45.6479, 0.3160,  
0.2527

 108.8246, 0.3159,  
0.2700

 31.9681, 0.3159,  
0.2445


138.5439, 0.3158,  
0.2742

 21.3371, 0.3157,  
0.2343


173.2341, 0.3157,  
0.2778

 13.3706, 0.3152,  
0.2214

213.2795, 0.3156,  
0.2809

 7.6843, 0.3142,  
0.2046

259.0646, 0.3155,  
0.2837

 3.8936, 0.3120,  
0.1819


310.9737, 0.3154,


 1.6142, 0.3072,


0.2862


0.1500


369.3912, 0.3153,  
0.2885


 0.3672, 0.3018,  
0.0841


 0.0000, 0.1738,  
0.0000


 62.7610, 0.3160,  
0.2595


 62.7610, 0.3160,  
0.2595

 53.1059, 0.3171,  
0.2352


 74.3310, 0.3148,  
0.2846

 45.2548, 0.3182,  
0.2128

 87.9026, 0.3136,  
0.3098

 39.0983, 0.3191,  
0.1932

99.9999, 0.3127,  
0.3290

 34.5115, 0.3199,  
0.1772

■ 31.3526, 0.3205,  
0.1655

■ 29.4543, 0.3208,  
0.1581

■ 28.5927, 0.3210,  
0.1547

■ 28.4729, 0.3210,  
0.1542

# Harmonies

## Analogous

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



62.7610, 0.2630, 0.2422



62.7610, 0.3160, 0.2595



62.7610, 0.3728, 0.2918

# Triad

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



62.7610, 0.3160, 0.2595



62.7610, 0.4024, 0.4142



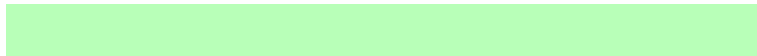
62.7610, 0.2205, 0.3113

# Complementary

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



62.7610, 0.3160, 0.2595



85.1738, 0.3089, 0.4099

# 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.



62.7610, 0.2521, 0.3683



62.7610, 0.3160, 0.2595



62.7610, 0.3567, 0.4316

# Square

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



62.7610, 0.3160, 0.2595



62.7610, 0.4246, 0.3770



62.7610, 0.3016, 0.4158



62.7610, 0.2119, 0.2668



# Rectangle

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



62.7610, 0.3160, 0.2595



62.7610, 0.4032, 0.3189



62.7610, 0.3016, 0.4158



62.7610, 0.2286, 0.3297

# Sweetspot

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



62.7638, 0.3160, 0.2595



87.6673, 0.3136, 0.3094



51.6976, 0.2638, 0.2481



18.3003, 0.3138, 0.3056



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.



62.7638, 0.3160, 0.2595



57.5469, 0.3166, 0.2468



60.6869, 0.3437, 0.2928



18.3003, 0.3138, 0.3056



14.8778, 0.3210, 0.1542



1.4486, 0.3210, 0.1542



# Inverse Universe

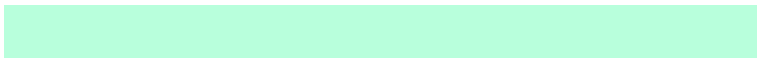
The Inverse Universe completely reimagines the original color for something new.



62.7638, 0.3160, 0.2595



57.5469, 0.3166, 0.2468



86.8525, 0.2900, 0.3684



18.3003, 0.3138, 0.3056



14.8778, 0.3210, 0.1542



1.4486, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 62.7610, 0.3160, 0.2595 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

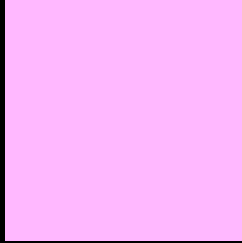
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.7610, 0.3160, 0.2595 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

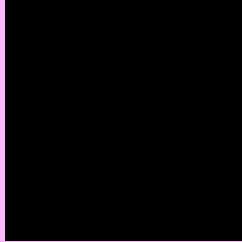
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.7610, 0.3160, 0.2595**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.7610, 0.3160, 0.2595.



This preview shows how white text looks on a background with the Yxy color 62.7610, 0.3160, 0.2595.

# 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

62.7610, 0.3160, 0.2595

### Protanopia

63.0984, 0.2741, 0.2750

### Deuteranopia

62.9423, 0.2836, 0.2767



## Tritanopia

62.8337, 0.3468, 0.3134

# Trichromacy



## Original Color

62.7610, 0.3160, 0.2595



## Protanomaly

62.3599, 0.2878, 0.2684



## Deuteranomaly

62.3554, 0.2947, 0.2700



## Tritanomaly

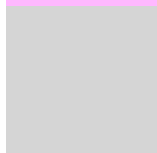
62.7724, 0.3353, 0.2932

# Monochromacy



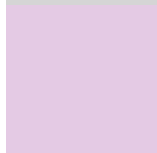
## Original Color

62.7610, 0.3160, 0.2595



## Achromatopsia

66.5387, 0.3127, 0.3290



## Achromatomaly

64.3365, 0.3140, 0.3010

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.7610, 0.3160, 0.2595 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, 184, 255)` looks like.

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

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

## Border

The CSS property to change the border of an element to Yxy 62.7610, 0.3160, 0.2595 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, 184, 255) }
```

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

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

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



# Background

The CSS property to change the background color of an element to Yxy 62.7610, 0.3160, 0.2595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(255,  
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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