

# Converting Colors

$Y_{xy}(100.0000, 0.4390, 0.3011)$

Have a look what the booklet for  
Yxy(100.0000, 0.4390, 0.3011)  
contains.

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# Color

**Yxy(62.5138, 0.3349, 0.2856)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBBE6
RGB	255, 187, 230
RGB Percent	100%, 73%, 90%
CMY	0.0000, 0.2667, 0.0980
CMYK	0.00, 0.27, 0.10, 0.00
HSL	322°, 100%, 87%
HSV	322°, 27%, 100%
XYZ	73.3049, 62.5138, 83.0672
YIQ	212.2340, 26.7250, 27.7890

# Conversions

## Conversions Part 2

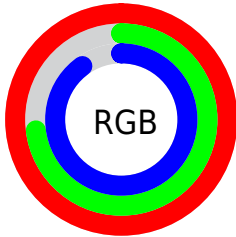
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 187, 230
Decimal	16759782
CIE Lab	83.19, 31.00, -11.74
CIE LCh	83, 33.153, 339.264
Yxy	62.5138, 0.3349, 0.2856
Android (android.graphics.Color)	4294949862 (0xFFFFBBE6)
YUV	212.2340, 8.7586, 37.5058
Hunter-Lab	79.0657, 27.1294, -6.9447

# Details

The Yxy color  $62.5138, 0.3349, 0.2856$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $86.8358, 0.2957, 0.3769$ , and the grayscale version is  $65.9233, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $93.1814, 0.3132, 0.3185$ , and  $31.7014, 0.3400, 0.2760$  is the 20% darker color. If you saturate the color by 10%, you get  $52.1211, 0.3460, 0.2688$ , and if you desaturate by 10%, it is  $74.8450, 0.3254, 0.3024$ .

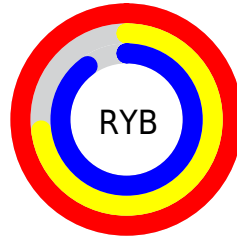
# Distribution



Red (100%)

Green (73%)

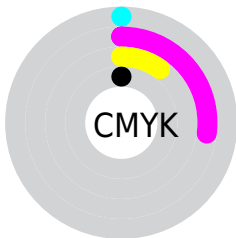
Blue (90%)



Red (100%)

Yellow (73%)

Blue (90%)

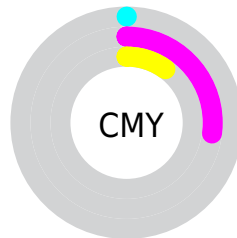


Cyan (0%)

Magenta (27%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (27%)


Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.5138, 0.3349, 0.2856 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 62.5138, 0.3349, 0.2856 by changing the saturation by 10% instead.




 62.5138, 0.3349,  
0.2856

 62.5138, 0.3349,  
0.2856


433.8028, 0.3247,  
0.3055

 45.4480, 0.3372,  
0.2811


 108.4678, 0.3314,  
0.2924

 31.8104, 0.3400,  
0.2756


138.1247, 0.3300,  
0.2951

 21.2168, 0.3436,  
0.2687


172.7475, 0.3288,  
0.2974

 13.2825, 0.3482,  
0.2597

212.7205, 0.3278,  
0.2994

 7.6234, 0.3545,  
0.2477

258.4282, 0.3269,  
0.3012

 3.8549, 0.3634,  
0.2306

310.2548, 0.3261,

 1.5927, 0.3770,


0.3028


0.2048


368.5849, 0.3254,  
0.3042

 0.3527, 0.4146,  
0.1308


 0.0000, 1.0000,  
0.0000


 62.5138, 0.3349,  
0.2856

 62.5138, 0.3349,  
0.2856

 52.1211, 0.3460,  
0.2688


 74.8450, 0.3254,  
0.3024

 43.5808, 0.3587,  
0.2528

 89.2253, 0.3173,  
0.3186

 36.7762, 0.3731,  
0.2385

100.0000, 0.3127,  
0.3290

 31.5836, 0.3888,  
0.2271

■ 27.8631, 0.4053,  
0.2197

■ 25.4504, 0.4221,  
0.2173

■ 24.1390, 0.4384,  
0.2202

■ 23.8431, 0.4438,  
0.2218

# Harmonies

## Analogous

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



62.5138, 0.2923, 0.2664



62.5138, 0.3349, 0.2856



62.5138, 0.3734, 0.3149

# Triad

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



62.5138, 0.3349, 0.2856



62.5138, 0.3674, 0.4014



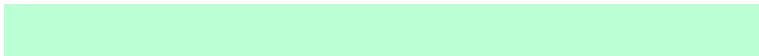
62.5138, 0.2370, 0.3003

# Complementary

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



62.5138, 0.3349, 0.2856



86.8358, 0.2957, 0.3769

# 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.



62.5138, 0.2544, 0.3398



62.5138, 0.3349, 0.2856



62.5138, 0.3288, 0.4023

# Square

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



62.5138, 0.3349, 0.2856



62.5138, 0.3922, 0.3805



62.5138, 0.2875, 0.3791



62.5138, 0.2383, 0.2725



# Rectangle

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



62.5138, 0.3349, 0.2856



62.5138, 0.3902, 0.3373



62.5138, 0.2875, 0.3791



62.5138, 0.2408, 0.3126

# Sweetspot

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



62.5085, 0.3349, 0.2856



87.1943, 0.3183, 0.3165



56.7410, 0.2836, 0.2557



18.1804, 0.3195, 0.3141



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.



62.5085, 0.3349, 0.2856



56.7375, 0.3406, 0.2766



60.7832, 0.3628, 0.3197



18.1804, 0.3195, 0.3141



12.4883, 0.4412, 0.2204



1.2370, 0.4238, 0.2108



# Inverse Universe

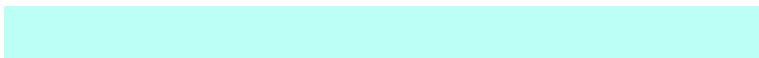
The Inverse Universe completely reimagines the original color for something new.



62.5085, 0.3349, 0.2856



56.7375, 0.3406, 0.2766



88.7328, 0.2781, 0.3386



18.1804, 0.3195, 0.3141



12.4883, 0.4412, 0.2204



1.2370, 0.4238, 0.2108



# Previews

## White Background



This preview shows how the Yxy color 62.5138, 0.3349, 0.2856 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

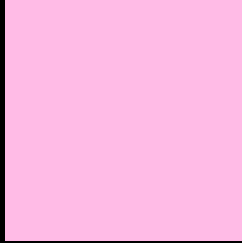
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.5138, 0.3349, 0.2856 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

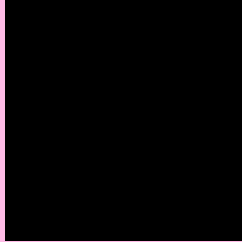
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.5138, 0.3349, 0.2856**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.5138, 0.3349, 0.2856.



This preview shows how white text looks on a background with the Yxy color 62.5138, 0.3349, 0.2856.

# 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

62.5138, 0.3349, 0.2856

### Protanopia

62.9709, 0.2852, 0.2888

### Deuteranopia

62.8472, 0.3080, 0.3015



## Tritanopia

62.4133, 0.3512, 0.3135

# Trichromacy



## Original Color

62.5138, 0.3349, 0.2856



## Protanomaly

62.3920, 0.3019, 0.2868



## Deuteranomaly

62.6897, 0.3174, 0.2959



## Tritanomaly

62.6159, 0.3449, 0.3033

# Monochromacy



## Original Color

62.5138, 0.3349, 0.2856



## Achromatopsia

65.8375, 0.3127, 0.3290



## Achromatomaly

64.3203, 0.3204, 0.3116

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.5138, 0.3349, 0.2856 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, 187, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 187, 230)  
}
```

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, 187, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 187, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 62.5138, 0.3349, 0.2856 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, 187, 230) }
```

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

```
.border{ border-color:rgb(255, 187, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 187, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 187, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 187, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 187,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.5138, 0.3349, 0.2856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 187, 230) }
```

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

```
.background{ background-color: rgb(255,  
187, 230) }
```

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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