

# Converting Colors

$Yxy(63.2093, 0.3468, 0.3045)$

Have a look what the booklet for  
Yxy(63.2093, 0.3468, 0.3045)  
contains.

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# Color

**Yxy(63.4279, 0.3463, 0.3045)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBFD7
RGB	255, 191, 215
RGB Percent	100%, 75%, 84%
CMY	0.0000, 0.2509, 0.1568
CMYK	0.00, 0.25, 0.16, 0.00
HSL	337°, 100%, 87%
HSV	337°, 25%, 100%
XYZ	72.1349, 63.4279, 72.7390
YIQ	212.8720, 30.4400, 21.0320

# Conversions

## Conversions Part 2

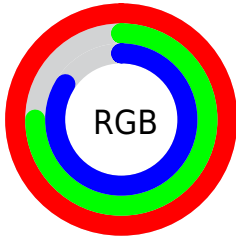
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 191, 215
Decimal	16760791
CIE <sub>Lab</sub>	83.67, 26.48, -3.00
CIE <sub>LCh</sub>	84, 26.648, 353.543
Yxy	63.4279, 0.3463, 0.3045
Android (android.graphics.Color)	4294950871 (0xFFFFBFD7)
YUV	212.8720, 1.0491, 36.9463
Hunter-Lab	79.6416, 22.3024, 1.5979

# Details

The Yxy color  $63.4279, 0.3463, 0.3045$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $88.3601, 0.2879, 0.3550$ , and the grayscale version is  $66.4291, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $95.6148, 0.3130, 0.3223$ , and  $32.2997, 0.3545, 0.2988$  is the 20% darker color. If you saturate the color by 10%, you get  $52.4801, 0.3650, 0.2942$ , and if you desaturate by 10%, it is  $76.3972, 0.3309, 0.3146$ .

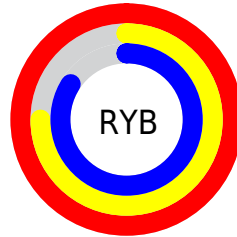
# Distribution



Red (100%)

Green (75%)

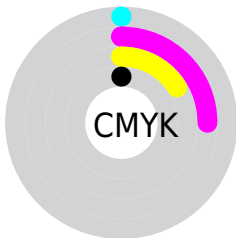
Blue (84%)



Red (100%)

Yellow (75%)

Blue (84%)

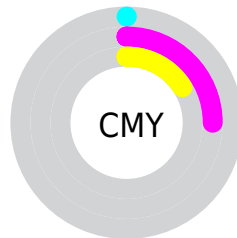


Cyan (0%)

Magenta (25%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (25%)

Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.4279, 0.3463, 0.3045 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 63.4279, 0.3463, 0.3045 by changing the saturation by 10% instead.




 63.4279, 0.3463,  
0.3045

 63.4279, 0.3463,  
0.3045


437.1208, 0.3305,  
0.3160

 46.1875, 0.3500,  
0.3019


 109.7866, 0.3407,  
0.3085

 32.3938, 0.3546,  
0.2986


139.6737, 0.3386,  
0.3101

 21.6624, 0.3605,  
0.2944


174.5451, 0.3368,  
0.3114

 13.6091, 0.3684,  
0.2888

214.7852, 0.3352,  
0.3125

 7.8493, 0.3793,  
0.2812

260.7784, 0.3338,  
0.3136

 3.9987, 0.3954,  
0.2701


312.9091, 0.3325,

 1.6728, 0.4218,

0.3145


0.2523


371.5618, 0.3314,  
0.3153

 0.4060, 0.4975,  
0.1929


 0.0000, 0.0000,  
0.0000

 63.4279, 0.3463,  
0.3045


 63.4279, 0.3463,  
0.3045

 52.4801, 0.3650,  
0.2942


 76.3972, 0.3309,  
0.3146

 43.4427, 0.3874,  
0.2844

 91.4747, 0.3182,  
0.3243

 36.2067, 0.4136,  
0.2757

99.9982, 0.3127,  
0.3290

 30.6487, 0.4433,  
0.2695

■ 26.6296, 0.4755,  
0.2669

■ 23.9873, 0.5082,  
0.2692

■ 22.5229, 0.5389,  
0.2768

■ 22.0966, 0.5527,  
0.2819

# Harmonies

## Analogous

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



63.4279, 0.3126, 0.2842



63.4279, 0.3463, 0.3045



63.4279, 0.3714, 0.3310

# Triad

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



63.4279, 0.3463, 0.3045



63.4279, 0.3432, 0.3893



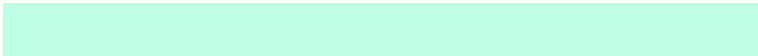
63.4279, 0.2499, 0.2943

# Complementary

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



63.4279, 0.3463, 0.3045



88.3601, 0.2879, 0.3550

# 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.



63.4279, 0.2571, 0.3224



63.4279, 0.3463, 0.3045



63.4279, 0.3100, 0.3802

# Square

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



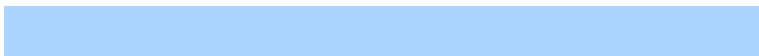
63.4279, 0.3463, 0.3045



63.4279, 0.3691, 0.3803



63.4279, 0.2787, 0.3548



63.4279, 0.2582, 0.2774



# Rectangle

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



63.4279, 0.3463, 0.3045



63.4279, 0.3792, 0.3496



63.4279, 0.2787, 0.3548



63.4279, 0.2506, 0.3026

# Sweetspot

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



63.4308, 0.3463, 0.3045



86.8739, 0.3217, 0.3216



61.3849, 0.2973, 0.2627



18.0998, 0.3235, 0.3201



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.



63.4308, 0.3463, 0.3045



57.8150, 0.3550, 0.2995



65.6252, 0.3642, 0.3369



18.0998, 0.3235, 0.3201



11.5735, 0.5484, 0.2795



1.1472, 0.5175, 0.2624



# Inverse Universe

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



63.4308, 0.3463, 0.3045



57.8150, 0.3550, 0.2995



85.1406, 0.2750, 0.3209



18.0998, 0.3235, 0.3201



11.5735, 0.5484, 0.2795



1.1472, 0.5175, 0.2624



# Previews

## White Background



This preview shows how the Yxy color 63.4279, 0.3463, 0.3045 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

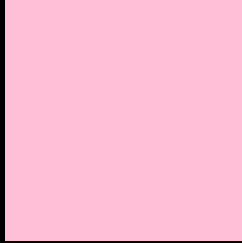
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.4279, 0.3463, 0.3045 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 63.4279, 0.3463, 0.3045**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.4279, 0.3463, 0.3045.



This preview shows how white text looks on a background with the Yxy color 63.4279, 0.3463, 0.3045.

# 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

63.4279, 0.3463, 0.3045

### Protanopia

63.9579, 0.3011, 0.3098

### Deuteranopia

63.3760, 0.3241, 0.3170



## Tritanopia

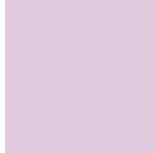
63.2751, 0.3518, 0.3136

# Trichromacy



## Original Color

63.4279, 0.3463, 0.3045



## Protanomaly

63.4691, 0.3168, 0.3082



## Deuteranomaly

63.2477, 0.3317, 0.3119



## Tritanomaly

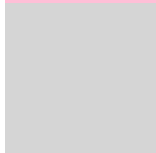
63.4232, 0.3494, 0.3105

# Monochromacy



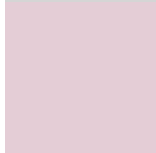
## Original Color

63.4279, 0.3463, 0.3045



## Achromatopsia

66.5387, 0.3127, 0.3290



## Achromatomaly

65.0117, 0.3239, 0.3192

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.4279, 0.3463, 0.3045 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, 191, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 215)  
}
```

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, 191, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 63.4279, 0.3463, 0.3045 is called "border". The border property can be set on classes, ids or directly on the HTML element.

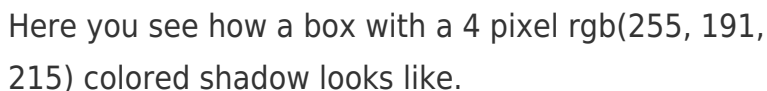
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 191, 215) }
```

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

```
.border{ border-color:rgb(255, 191, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 191, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.4279, 0.3463, 0.3045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 191, 215) }
```

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

```
.background{ background-color: rgb(255,  
191, 215) }
```

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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