

# Converting Colors

$Y_{xy}(63.6817, 0.3542, 0.3052)$

Have a look what the booklet for  
Yxy(63.6817, 0.3542, 0.3052)  
contains.

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# Color

**Yxy(62.4593, 0.3483, 0.3045)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBDD5
RGB	255, 189, 213
RGB Percent	100%, 74%, 84%
CMY	0.0000, 0.2588, 0.1648
CMYK	0.00, 0.26, 0.16, 0.00
HSL	338°, 100%, 87%
HSV	338°, 26%, 100%
XYZ	71.4436, 62.4593, 71.2180
YIQ	211.4700, 31.6320, 21.4560

# Conversions

## Conversions Part 2

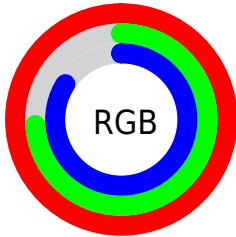
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 189, 213
Decimal	16760277
CIE <sub>Lab</sub>	83.16, 27.22, -2.65
CIE <sub>LCh</sub>	83, 27.344, 354.441
Yxy	62.4593, 0.3483, 0.3045
Android (android.graphics.Color)	4294950357 (0xFFFFBDD5)
YUV	211.4700, 0.7543, 38.1758
Hunter-Lab	79.0312, 23.0580, 1.8934

# Details

The Yxy color **62.4593, 0.3483, 0.3045** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **88.1111, 0.2868, 0.3550**, and the grayscale version is **65.4484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3915, 0.3131, 0.3204**, and **31.6669, 0.3572, 0.2988** is the 20% darker color. If you saturate the color by 10%, you get **51.6547, 0.3677, 0.2946**, and if you desaturate by 10%, it is **75.2808, 0.3323, 0.3143**.

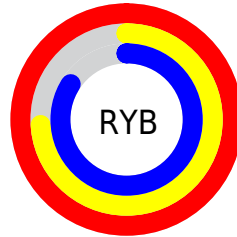
# Distribution



Red (100%)

Green (74%)

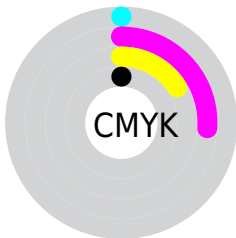
Blue (84%)



Red (100%)

Yellow (74%)

Blue (84%)

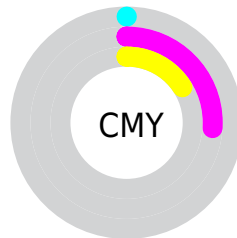


Cyan (0%)

Magenta (26%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (26%)

Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.4593, 0.3483, 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 62.4593, 0.3483, 0.3045 by changing the saturation by 10% instead.




 62.4593, 0.3483,  
0.3045

 62.4593, 0.3483,  
0.3045


433.6045, 0.3315,  
0.3160

 45.4039, 0.3522,  
0.3018


 108.3891, 0.3424,  
0.3085

 31.7757, 0.3572,  
0.2985


138.0323, 0.3401,  
0.3101

 21.1902, 0.3635,  
0.2943


172.6402, 0.3381,  
0.3114

 13.2631, 0.3719,  
0.2887


212.5972, 0.3364,  
0.3126

 7.6100, 0.3837,  
0.2809

258.2878, 0.3350,  
0.3136

 3.8464, 0.4011,  
0.2695


310.0962, 0.3337,

 1.5880, 0.4298,

0.3145

0.2512

368.4070, 0.3325,  
0.3153

 0.3495, 0.5237,  
0.1819


 0.0000, 0.0000,  
0.0000


 62.4593, 0.3483,  
0.3045


 62.4593, 0.3483,  
0.3045

 51.6547, 0.3677,  
0.2946


 75.2808, 0.3323,  
0.3143

 42.7549, 0.3909,  
0.2851

 90.2066, 0.3193,  
0.3237

 35.6503, 0.4180,  
0.2769

99.9997, 0.3127,  
0.3290

 30.2160, 0.4487,  
0.2712

■ 26.3113, 0.4818,  
0.2692

■ 23.7718, 0.5151,  
0.2721

■ 22.3939, 0.5459,  
0.2802

■ 22.0424, 0.5576,  
0.2845

# Harmonies

## Analogous

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



62.4593, 0.3137, 0.2834



62.4593, 0.3483, 0.3045



62.4593, 0.3738, 0.3319

# Triad

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



62.4593, 0.3483, 0.3045



62.4593, 0.3431, 0.3912



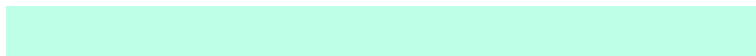
62.4593, 0.2480, 0.2924

# Complementary

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



62.4593, 0.3483, 0.3045



88.1111, 0.2868, 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.



62.4593, 0.2550, 0.3212



62.4593, 0.3483, 0.3045



62.4593, 0.3088, 0.3814

# Square

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



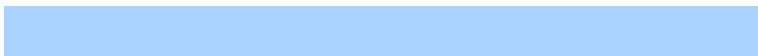
62.4593, 0.3483, 0.3045



62.4593, 0.3702, 0.3823



62.4593, 0.2768, 0.3547



62.4593, 0.2571, 0.2756



# Rectangle

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



62.4593, 0.3483, 0.3045



62.4593, 0.3814, 0.3510



62.4593, 0.2768, 0.3547



62.4593, 0.2486, 0.3009

# Sweetspot

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



62.4622, 0.3483, 0.3045



86.8590, 0.3218, 0.3218



60.5762, 0.2975, 0.2607



18.0961, 0.3237, 0.3204



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.



62.4622, 0.3483, 0.3045



56.6818, 0.3578, 0.2994



65.2355, 0.3660, 0.3383



18.0961, 0.3237, 0.3204



11.5438, 0.5532, 0.2821



1.1441, 0.5220, 0.2649



# Inverse Universe

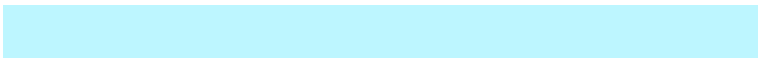
The Inverse Universe completely reimagines the original color for something new.



62.4622, 0.3483, 0.3045



56.6818, 0.3578, 0.2994



84.0734, 0.2738, 0.3195



18.0961, 0.3237, 0.3204



11.5438, 0.5532, 0.2821



1.1441, 0.5220, 0.2649



# Previews

## White Background



This preview shows how the Yxy color 62.4593, 0.3483, 0.3045 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

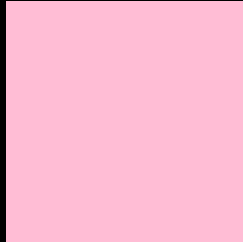
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.4593, 0.3483, 0.3045 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

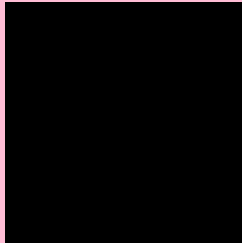
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.4593, 0.3483, 0.3045**

## Background



This preview shows how black text looks on a background with the Yxy color 62.4593, 0.3483, 0.3045.



This preview shows how white text looks on a background with the Yxy color 62.4593, 0.3483, 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

62.4593, 0.3483, 0.3045

### Protanopia

62.7357, 0.3018, 0.3097

### Deuteranopia

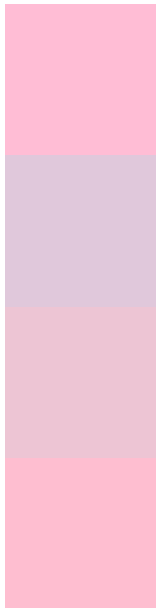
62.6452, 0.3249, 0.3180



## Tritanopia

62.3055, 0.3538, 0.3136

# Trichromacy



## Original Color

62.4593, 0.3483, 0.3045

## Protanomaly

62.2703, 0.3176, 0.3081

## Deuteranomaly

62.6905, 0.3333, 0.3129

## Tritanomaly

62.4518, 0.3514, 0.3105

# Monochromacy



## Original Color

62.4593, 0.3483, 0.3045

## Achromatopsia

65.1406, 0.3127, 0.3290

## Achromatomaly

63.7962, 0.3248, 0.3192

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.4593, 0.3483, 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, 189, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 213)  
}
```

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, 189, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 62.4593, 0.3483, 0.3045 is called "border". The border property can be set on classes, ids or directly on the HTML element.

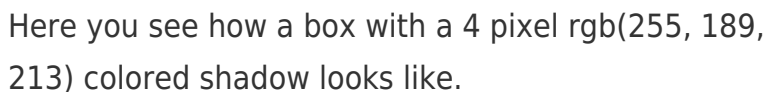
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 189, 213) }
```

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

```
.border{ border-color:rgb(255, 189, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 189, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 213);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
213) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.4593, 0.3483, 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, 189, 213) }
```

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

```
.background{ background-color: rgb(255,  
189, 213) }
```

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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