

# Converting Colors

$Y_{xy}(71.2172, 0.3927, 0.3166)$

Have a look what the booklet for  
Yxy(71.2172, 0.3927, 0.3166)  
contains.

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# Color

**Yxy(61.9670, 0.3565, 0.3146)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBDCB
RGB	255, 189, 203
RGB Percent	100%, 74%, 80%
CMY	0.0000, 0.2588, 0.2038
CMYK	0.00, 0.26, 0.20, 0.00
HSL	347°, 100%, 87%
HSV	347°, 26%, 100%
XYZ	70.2201, 61.9670, 64.7837
YIQ	210.3300, 34.8420, 18.3460

# Conversions

## Conversions Part 2

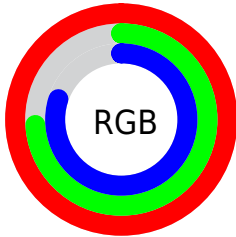
Format	Color
R <sub>Y</sub> B	255, 189, 203
Decimal	16760267
CIE Lab	82.90, 25.73, 2.29
CIE LCh	83, 25.833, 5.097
Yxy	61.9670, 0.3565, 0.3146
Android (android.graphics.Color)	4294950347 (0xFFFFBDCB)
YUV	210.3300, -3.6137, 39.1756
Hunter-Lab	78.7191, 21.4695, 6.3093

# Details

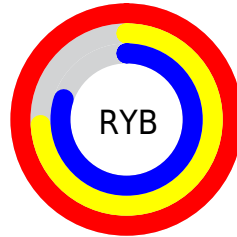
The Yxy color **61.9670, 0.3565, 0.3146** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **88.6866, 0.2817, 0.3440**, and the grayscale version is **64.6869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3915, 0.3131, 0.3204**, and **31.3682, 0.3674, 0.3105** is the 20% darker color. If you saturate the color by 10%, you get **51.0505, 0.3809, 0.3088**, and if you desaturate by 10%, it is **74.9417, 0.3367, 0.3204**.

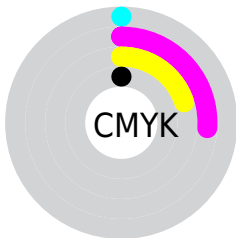
# Distribution



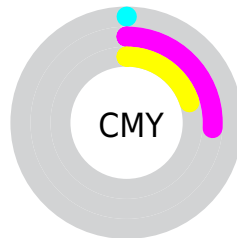
- Red (100%)
- Green (74%)
- Blue (80%)



- Red (100%)
- Yellow (74%)
- Blue (80%)



- Cyan (0%)
- Magenta (26%)
- Yellow (20%)
- Black (0%)




- Cyan (0%)
- Magenta (26%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.9670, 0.3565, 0.3146 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 61.9670, 0.3565, 0.3146 by changing the saturation by 10% instead.




 61.9670, 0.3565,  
0.3146

 61.9670, 0.3565,  
0.3146


431.8107, 0.3356,  
0.3216

 45.0060, 0.3614,  
0.3129


 107.6778, 0.3491,  
0.3171

 31.4622, 0.3677,  
0.3108


137.1965, 0.3463,  
0.3180

 20.9510, 0.3757,  
0.3080


171.6698, 0.3438,  
0.3189

 13.0882, 0.3864,  
0.3043

211.4823, 0.3417,  
0.3196

 7.4893, 0.4014,  
0.2989

257.0182, 0.3399,  
0.3202

 3.7700, 0.4241,  
0.2907


308.6620, 0.3383,

 1.5457, 0.4619,


0.3207


0.2766


366.7980, 0.3369,  
0.3212

 0.3206, 0.6477,  
0.2218

 0.0000, 0.0000,  
0.0000


 61.9670, 0.3565,  
0.3146


 61.9670, 0.3565,  
0.3146

 51.0505, 0.3809,  
0.3088


 74.9417, 0.3367,  
0.3204

 42.0779, 0.4104,  
0.3033

 90.0641, 0.3207,  
0.3259

 34.9369, 0.4452,  
0.2989

99.9997, 0.3127,  
0.3290

 29.5001, 0.4844,  
0.2964

■ 25.6236, 0.5258,  
0.2970

■ 23.1398, 0.5651,  
0.3012

■ 21.8412, 0.5974,  
0.3089

■ 21.5282, 0.6082,  
0.3124

# Harmonies

## Analogous

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



61.9670, 0.3257, 0.2918



61.9670, 0.3565, 0.3146



61.9670, 0.3754, 0.3416

# Triad

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



61.9670, 0.3565, 0.3146



61.9670, 0.3304, 0.3866



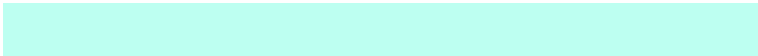
61.9670, 0.2526, 0.2872

# Complementary

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



61.9670, 0.3565, 0.3146



88.6866, 0.2817, 0.3440

# 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.



61.9670, 0.2538, 0.3111



61.9670, 0.3565, 0.3146



61.9670, 0.2976, 0.3710

# Square

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



61.9670, 0.3565, 0.3146



61.9670, 0.3595, 0.3844



61.9670, 0.2699, 0.3422



61.9670, 0.2664, 0.2758



# Rectangle

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



61.9670, 0.3565, 0.3146



61.9670, 0.3781, 0.3592



61.9670, 0.2699, 0.3422



61.9670, 0.2513, 0.2939

# Sweetspot

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



61.9699, 0.3565, 0.3146



86.6762, 0.3238, 0.3248



62.2643, 0.3049, 0.2622



18.0503, 0.3261, 0.3240



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.



61.9699, 0.3565, 0.3146



56.1308, 0.3684, 0.3116



69.9003, 0.3634, 0.3484



18.0503, 0.3261, 0.3240



11.2667, 0.6046, 0.3104



1.1121, 0.5742, 0.2937



# Inverse Universe

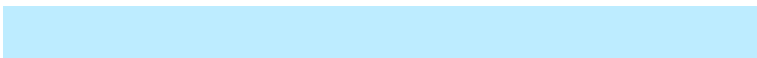
The Inverse Universe completely reimagines the original color for something new.



61.9699, 0.3565, 0.3146



56.1308, 0.3684, 0.3116



78.2026, 0.2728, 0.3086



18.0503, 0.3261, 0.3240



11.2667, 0.6046, 0.3104



1.1121, 0.5742, 0.2937



# Previews

## White Background



This preview shows how the Yxy color 61.9670, 0.3565, 0.3146 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 61.9670, 0.3565, 0.3146 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 61.9670, 0.3565, 0.3146**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.9670, 0.3565, 0.3146.



This preview shows how white text looks on a background with the Yxy color 61.9670, 0.3565, 0.3146.

# 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

61.9670, 0.3565, 0.3146

### Protanopia

62.5020, 0.3101, 0.3210

### Deuteranopia

62.1836, 0.3350, 0.3280



## Tritanopia

61.9670, 0.3565, 0.3146

# Trichromacy



## Original Color

61.9670, 0.3565, 0.3146

## Protanomaly

62.0808, 0.3265, 0.3191

## Deuteranomaly

61.9213, 0.3421, 0.3226

## Tritanomaly

61.9670, 0.3565, 0.3146

# Monochromacy



## Original Color

61.9670, 0.3565, 0.3146

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

62.9148, 0.3278, 0.3235

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.9670, 0.3565, 0.3146 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, 203)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 203)  
}
```

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, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 61.9670, 0.3565, 0.3146 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, 203) }
```

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

```
.border{ border-color:rgb(255, 189, 203) }
```

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, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 203);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.9670, 0.3565, 0.3146 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, 203) }
```

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

```
.background{ background-color: rgb(255,  
189, 203) }
```

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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