

# Converting Colors

$Y_{xy}(62.3731, 0.3605, 0.3215)$

Have a look what the booklet for  
Yxy(62.3731, 0.3605, 0.3215)  
contains.

<b>Yxy(62.5988, 0.3603, 0.3219)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(62.5988, 0.3603, 0.3219)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBFC6
RGB	255, 191, 198
RGB Percent	100%, 75%, 78%
CMY	0.0000, 0.2510, 0.2236
CMYK	0.00, 0.25, 0.22, 0.00
HSL	353°, 100%, 87%
HSV	353°, 25%, 100%
XYZ	70.0663, 62.5988, 61.8015
YIQ	210.9340, 35.8970, 15.7450

# Conversions

## Conversions Part 2

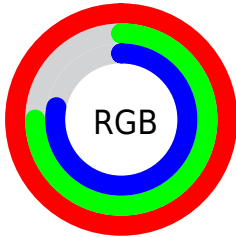
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 191, 198
Decimal	16760774
CIE Lab	83.23, 23.96, 5.49
CIE LCh	83, 24.579, 12.917
Yxy	62.5988, 0.3603, 0.3219
Android (android.graphics.Color)	4294950854 (0xFFFFBFC6)
YUV	210.9340, -6.3765, 38.6459
Hunter-Lab	79.1194, 19.6165, 9.0712

# Details

The Yxy color **62.5988, 0.3603, 0.3219** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **89.3753, 0.2792, 0.3363**, and the grayscale version is **65.1185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6148, 0.3130, 0.3223**, and **31.7753, 0.3725, 0.3198** is the 20% darker color. If you saturate the color by 10%, you get **51.4567, 0.3877, 0.3190**, and if you desaturate by 10%, it is **75.8333, 0.3381, 0.3248**.

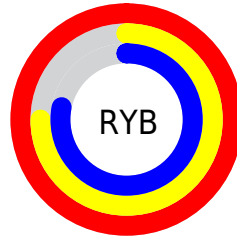
# Distribution



Red (100%)

Green (75%)

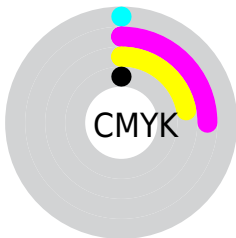
Blue (78%)



Red (100%)

Yellow (75%)

Blue (78%)

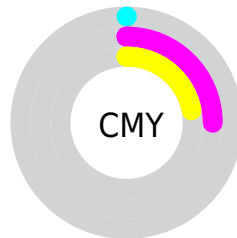


Cyan (0%)

Magenta (25%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (25%)


Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.5988, 0.3603, 0.3219 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 62.5988, 0.3603, 0.3219 by changing the saturation by 10% instead.




 62.5988, 0.3603,  
0.3219

 62.5988, 0.3603,  
0.3219


434.1120, 0.3375,  
0.3256

 45.5167, 0.3657,  
0.3210


 108.5905, 0.3522,  
0.3233

 31.8646, 0.3725,  
0.3197

138.2689, 0.3492,  
0.3238

 21.2581, 0.3812,  
0.3181


172.9149, 0.3465,  
0.3242

 13.3128, 0.3929,  
0.3158

212.9128, 0.3442,  
0.3245

 7.6443, 0.4093,  
0.3124

258.6471, 0.3422,  
0.3249

 3.8682, 0.4340,  
0.3069


310.5021, 0.3405,


 1.6001, 0.4751,


0.3251


0.2965


368.8623, 0.3389,  
0.3254


 0.3577, 0.7187,  
0.2772


 0.0000, 0.0000,  
0.0000


 62.5988, 0.3603,  
0.3219


 62.5988, 0.3603,  
0.3219

 51.4567, 0.3877,  
0.3190


 75.8333, 0.3381,  
0.3248

 42.3012, 0.4211,  
0.3162

 91.2614, 0.3204,  
0.3277

 35.0148, 0.4606,  
0.3142

100.0000, 0.3127,  
0.3290

 29.4685, 0.5047,  
0.3133

■ 25.5168, 0.5499,  
0.3142

■ 22.9903, 0.5905,  
0.3172

■ 21.6813, 0.6200,  
0.3221

■ 21.3429, 0.6298,  
0.3243

# Harmonies

## Analogous

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



62.5988, 0.3332, 0.2986



62.5988, 0.3603, 0.3219



62.5988, 0.3741, 0.3478

# Triad

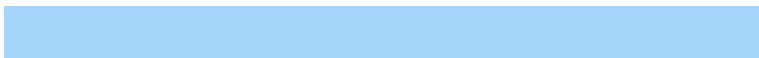
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



62.5988, 0.3603, 0.3219



62.5988, 0.3214, 0.3812



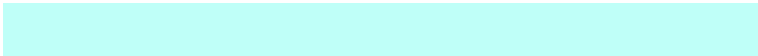
62.5988, 0.2577, 0.2853

# Complementary

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



62.5988, 0.3603, 0.3219



89.3753, 0.2792, 0.3363

# 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.



62.5988, 0.2550, 0.3052



62.5988, 0.3603, 0.3219



62.5988, 0.2908, 0.3624

# Square

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



62.5988, 0.3603, 0.3219



62.5988, 0.3507, 0.3836



62.5988, 0.2668, 0.3337



62.5988, 0.2743, 0.2777



# Rectangle

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



62.5988, 0.3603, 0.3219



62.5988, 0.3736, 0.3637



62.5988, 0.2668, 0.3337



62.5988, 0.2552, 0.2907

# Sweetspot

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



62.5983, 0.3603, 0.3219



86.5520, 0.3251, 0.3269



64.3535, 0.3100, 0.2652



18.0193, 0.3277, 0.3264



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.



62.5983, 0.3603, 0.3219



56.8811, 0.3730, 0.3204



73.8950, 0.3600, 0.3543



18.0193, 0.3277, 0.3264



11.1624, 0.6274, 0.3230



1.0969, 0.6049, 0.3106



# Inverse Universe

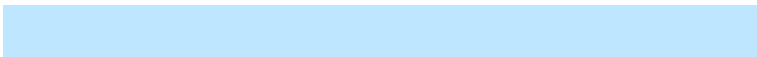
The Inverse Universe completely reimagines the original color for something new.



62.5983, 0.3603, 0.3219



56.8811, 0.3730, 0.3204



75.1505, 0.2733, 0.3022



18.0193, 0.3277, 0.3264



11.1624, 0.6274, 0.3230



1.0969, 0.6049, 0.3106



# Previews

## White Background



This preview shows how the Yxy color 62.5988, 0.3603, 0.3219 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 62.5988, 0.3603, 0.3219 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

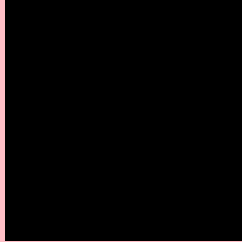
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.5988, 0.3603, 0.3219**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.5988, 0.3603, 0.3219.

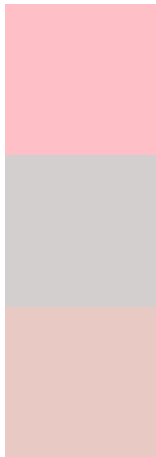


This preview shows how white text looks on a background with the Yxy color 62.5988, 0.3603, 0.3219.

# 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

62.5988, 0.3603, 0.3219

### Protanopia

62.9795, 0.3157, 0.3290

### Deuteranopia

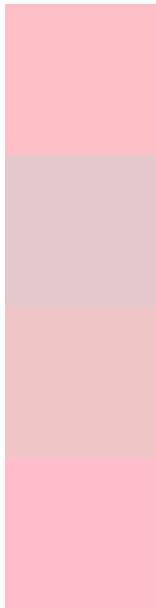
62.9146, 0.3411, 0.3346



## Tritanopia

62.4947, 0.3547, 0.3136

# Trichromacy



## Original Color

62.5988, 0.3603, 0.3219

## Protanomaly

62.4638, 0.3309, 0.3257

## Deuteranomaly

62.4890, 0.3475, 0.3291

## Tritanomaly

62.3512, 0.3572, 0.3167

# Monochromacy



## Original Color

62.5988, 0.3603, 0.3219

## Achromatopsia

65.1406, 0.3127, 0.3290

## Achromatomaly

63.9729, 0.3291, 0.3268

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.5988, 0.3603, 0.3219 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, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 198)  
}
```

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, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 62.5988, 0.3603, 0.3219 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, 198) }
```

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

```
.border{ border-color:rgb(255, 191, 198) }
```

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, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 191, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 191, 198); box-shadow:4px 4px 4px 4px rgb(255, 191, 198) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.5988, 0.3603, 0.3219 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, 198) }
```

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

```
.background{ background-color: rgb(255,  
191, 198) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor