

# Converting Colors

$Y_{xy}(107.0714, 0.4774, 0.3244)$

Have a look what the booklet for  
Yxy(107.0714, 0.4774, 0.3244)  
contains.

<b>Yxy(61.6864, 0.3616, 0.3208)</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(61.6864, 0.3616, 0.3208)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBDC5
RGB	255, 189, 197
RGB Percent	100%, 74%, 77%
CMY	0.0000, 0.2589, 0.2274
CMYK	0.00, 0.26, 0.23, 0.00
HSL	353°, 100%, 87%
HSV	353°, 26%, 100%
XYZ	69.5318, 61.6864, 61.0711
YIQ	209.6460, 36.7680, 16.4800

# Conversions

## Conversions Part 2

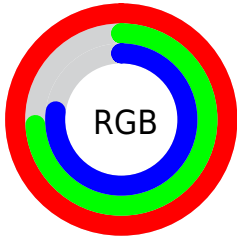
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 189, 197
Decimal	16760261
CIE Lab	82.75, 24.89, 5.31
CIE LCh	83, 25.454, 12.050
Yxy	61.6864, 0.3616, 0.3208
Android (android.graphics.Color)	4294950341 (0xFFFFBDC5)
YUV	209.6460, -6.2345, 39.7755
Hunter-Lab	78.5407, 20.5792, 8.8762

# Details

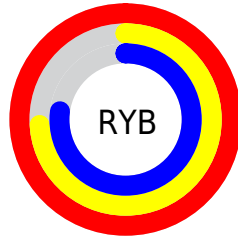
The Yxy color **61.6864, 0.3616, 0.3208** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **89.0499, 0.2787, 0.3375**, and the grayscale version is **64.2202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3273, 0.3137, 0.3214**, and **31.1814, 0.3743, 0.3185** is the 20% darker color. If you saturate the color by 10%, you get **50.7053, 0.3890, 0.3175**, and if you desaturate by 10%, it is **74.7328, 0.3394, 0.3241**.

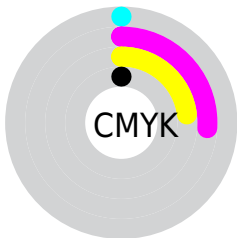
# Distribution



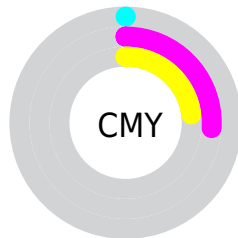
- Red (100%)
- Green (74%)
- Blue (77%)



- Red (100%)
- Yellow (74%)
- Blue (77%)



- Cyan (0%)
- Magenta (26%)
- Yellow (23%)
- Black (0%)




- Cyan (0%)
- Magenta (26%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.6864, 0.3616, 0.3208 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 61.6864, 0.3616, 0.3208 by changing the saturation by 10% instead.



 61.6864, 0.3616,  
0.3208

 61.6864, 0.3616,  
0.3208

430.7863, 0.3382,  
0.3250

 44.7794, 0.3672,  
0.3197


 107.2722, 0.3533,  
0.3223

 31.2837, 0.3742,  
0.3183


136.7197, 0.3501,  
0.3229

 20.8149, 0.3832,  
0.3165

171.1161, 0.3474,  
0.3234

 12.9888, 0.3953,  
0.3139

210.8459, 0.3450,  
0.3238

 7.4208, 0.4124,  
0.3101

256.2934, 0.3430,  
0.3242

 3.7267, 0.4381,  
0.3038


307.8430, 0.3412,

 1.5219, 0.4812,


0.3245


0.2923


365.8792, 0.3396,  
0.3248

 0.3040, 0.7470,  
0.2530

 0.0000, 0.0000,  
0.0000


 61.6864, 0.3616,  
0.3208


 61.6864, 0.3616,  
0.3208

 50.7053, 0.3890,  
0.3175


 74.7328, 0.3394,  
0.3241

 41.7054, 0.4224,  
0.3145

 89.9680, 0.3215,  
0.3273

 34.5615, 0.4617,  
0.3122

100.0000, 0.3127,  
0.3290

 29.1436, 0.5055,  
0.3113

■ 25.3052, 0.5502,  
0.3124

■ 22.8752, 0.5902,  
0.3158

■ 21.6423, 0.6194,  
0.3212

■ 21.3590, 0.6278,  
0.3232

# Harmonies

## Analogous

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



61.6864, 0.3331, 0.2969



61.6864, 0.3616, 0.3208



61.6864, 0.3765, 0.3477

# Triad

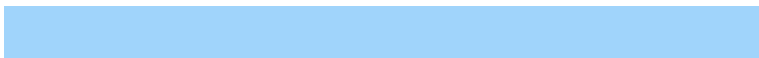
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



61.6864, 0.3616, 0.3208



61.6864, 0.3227, 0.3838



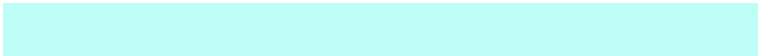
61.6864, 0.2553, 0.2840

# Complementary

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



61.6864, 0.3616, 0.3208



89.0499, 0.2787, 0.3375

# 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.



61.6864, 0.2529, 0.3050



61.6864, 0.3616, 0.3208



61.6864, 0.2907, 0.3646

# Square

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



61.6864, 0.3616, 0.3208



61.6864, 0.3530, 0.3857



61.6864, 0.2655, 0.3348



61.6864, 0.2721, 0.2758



# Rectangle

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



61.6864, 0.3616, 0.3208



61.6864, 0.3763, 0.3644



61.6864, 0.2655, 0.3348



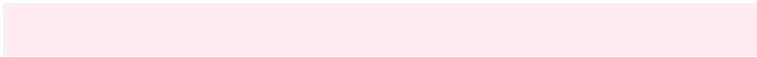
61.6864, 0.2528, 0.2896

# Sweetspot

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



61.6785, 0.3616, 0.3208



86.5671, 0.3250, 0.3266



63.2354, 0.3091, 0.2630



18.0230, 0.3275, 0.3261



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.



61.6785, 0.3616, 0.3208



55.8178, 0.3749, 0.3191



72.6163, 0.3621, 0.3540



18.0230, 0.3275, 0.3261



11.1717, 0.6253, 0.3218



1.0986, 0.6011, 0.3085



# Inverse Universe

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



61.6785, 0.3616, 0.3208



55.8178, 0.3749, 0.3191



75.0723, 0.2722, 0.3025



18.0230, 0.3275, 0.3261



11.1717, 0.6253, 0.3218



1.0986, 0.6011, 0.3085



# Previews

## White Background



This preview shows how the Yxy color 61.6864, 0.3616, 0.3208 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

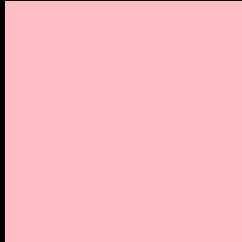
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.6864, 0.3616, 0.3208 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 61.6864, 0.3616, 0.3208**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.6864, 0.3616, 0.3208.



This preview shows how white text looks on a background with the Yxy color 61.6864, 0.3616, 0.3208.

# 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

61.6864, 0.3616, 0.3208

### Protanopia

61.8205, 0.3158, 0.3279

### Deuteranopia

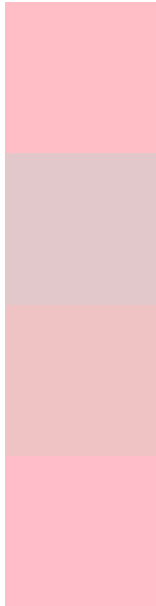
61.6100, 0.3405, 0.3335



## Tritanopia

61.5382, 0.3567, 0.3136

# Trichromacy



## Original Color

61.6864, 0.3616, 0.3208

## Protanomaly

61.3274, 0.3312, 0.3246

## Deuteranomaly

61.3665, 0.3478, 0.3280

## Tritanomaly

61.4435, 0.3584, 0.3157

# Monochromacy



## Original Color

61.6864, 0.3616, 0.3208

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

62.8176, 0.3293, 0.3257

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.6864, 0.3616, 0.3208 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, 197)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 197)  
}
```

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, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 61.6864, 0.3616, 0.3208 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, 197) }
```

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

```
.border{ border-color:rgb(255, 189, 197) }
```

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, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 197);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
197) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.6864, 0.3616, 0.3208 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, 197) }
```

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

```
.background{ background-color: rgb(255,  
189, 197) }
```

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