

# Converting Colors

$Y_{xy}(61.6650, 0.3421, 0.2935)$

Have a look what the booklet for  
Yxy(61.6650, 0.3421, 0.2935)  
contains.

<b>Yxy(61.5983, 0.3422, 0.2934)</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(61.5983, 0.3422, 0.2934)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBADD
RGB	255, 186, 221
RGB Percent	100%, 73%, 87%
CMY	0.0001, 0.2705, 0.1334
CMYK	0.00, 0.27, 0.13, 0.00
HSL	330°, 100%, 86%
HSV	330°, 27%, 100%
XYZ	71.8437, 61.5983, 76.5045
YIQ	210.6210, 29.8890, 25.5130

# Conversions

## Conversions Part 2

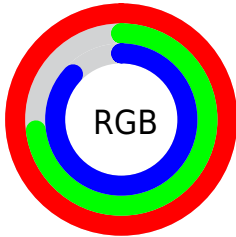
Format	Color
R <sub>Y</sub> B	255, 186, 221
Decimal	16759517
CIE Lab	82.70, 30.04, -7.63
CIE LCh	83, 30.990, 345.743
Yxy	61.5983, 0.3422, 0.2934
Android (android.graphics.Color)	4294949597 (0xFFFFBADD)
YUV	210.6210, 5.1168, 38.9204
Hunter-Lab	78.4846, 26.0484, -2.8550

# Details

The Yxy color **61.5983, 0.3422, 0.2934** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **87.1162, 0.2909, 0.3677**, and the grayscale version is **64.8305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5812, 0.3133, 0.3175**, and **31.1260, 0.3489, 0.2846** is the 20% darker color. If you saturate the color by 10%, you get **51.1531, 0.3573, 0.2797**, and if you desaturate by 10%, it is **74.0160, 0.3295, 0.3070**.

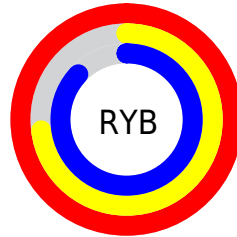
# Distribution



Red (100%)

Green (73%)

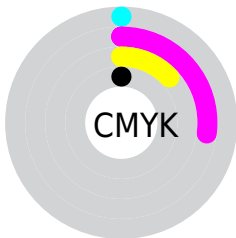
Blue (87%)



Red (100%)

Yellow (73%)

Blue (87%)

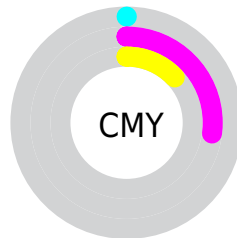


Cyan (0%)

Magenta (27%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (27%)


Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.5983, 0.3422, 0.2934 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 61.5983, 0.3422, 0.2934 by changing the saturation by 10% instead.




 61.5983, 0.3422,  
0.2934

 61.5983, 0.3422,  
0.2934

430.4643, 0.3284,  
0.3099

 44.7082, 0.3454,  
0.2896

 107.1448, 0.3374,  
0.2991

 31.2276, 0.3494,  
0.2850


136.5699, 0.3355,  
0.3013

 20.7723, 0.3544,  
0.2791


170.9422, 0.3339,  
0.3033

 12.9576, 0.3611,  
0.2714

210.6460, 0.3325,  
0.3049

 7.3994, 0.3704,  
0.2609

256.0657, 0.3313,  
0.3064

 3.7131, 0.3839,  
0.2458


307.5857, 0.3302,

 1.5144, 0.4055,


0.3077


0.2223


365.5905, 0.3292,  
0.3089


 0.2988, 0.4707,  
0.1366


 0.0000, 0.0000,  
0.0000


 61.5983, 0.3422,  
0.2934

 61.5983, 0.3422,  
0.2934

 51.1531, 0.3573,  
0.2797


 74.0160, 0.3295,  
0.3070

 42.5691, 0.3749,  
0.2667

 88.4934, 0.3190,  
0.3202

 35.7366, 0.3952,  
0.2552

99.9963, 0.3127,  
0.3290

 30.5307, 0.4178,  
0.2466

■ 26.8100, 0.4419,  
0.2420

■ 24.4084, 0.4665,  
0.2426

■ 23.1141, 0.4902,  
0.2487

■ 22.8499, 0.4970,  
0.2512

# Harmonies

## Analogous

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



61.5983, 0.3020, 0.2728



61.5983, 0.3422, 0.2934



61.5983, 0.3757, 0.3226

# Triad

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



61.5983, 0.3422, 0.2934



61.5983, 0.3572, 0.3990



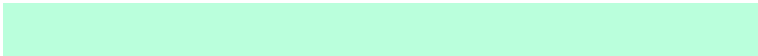
61.5983, 0.2401, 0.2954

# Complementary

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



61.5983, 0.3422, 0.2934



87.1162, 0.2909, 0.3677

# 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.



61.5983, 0.2528, 0.3308



61.5983, 0.3422, 0.2934



61.5983, 0.3194, 0.3947

# Square

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



61.5983, 0.3422, 0.2934



61.5983, 0.3840, 0.3831



61.5983, 0.2814, 0.3688



61.5983, 0.2451, 0.2722



# Rectangle

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



61.5983, 0.3422, 0.2934



61.5983, 0.3886, 0.3441



61.5983, 0.2814, 0.3688



61.5983, 0.2424, 0.3062

# Sweetspot

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



61.6011, 0.3422, 0.2934



87.0372, 0.3199, 0.3190



57.4577, 0.2890, 0.2558



18.1408, 0.3214, 0.3170



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.



61.6011, 0.3422, 0.2934



56.1961, 0.3493, 0.2866



59.9759, 0.3707, 0.3280



18.1408, 0.3214, 0.3170



11.9719, 0.4934, 0.2492



1.1877, 0.4684, 0.2354



# Inverse Universe

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



61.6011, 0.3422, 0.2934



56.1961, 0.3493, 0.2866



89.0936, 0.2737, 0.3301



18.1408, 0.3214, 0.3170



11.9719, 0.4934, 0.2492



1.1877, 0.4684, 0.2354



# Previews

## White Background



This preview shows how the Yxy color 61.5983, 0.3422, 0.2934 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

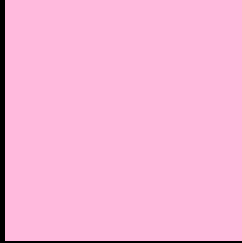
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.5983, 0.3422, 0.2934 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

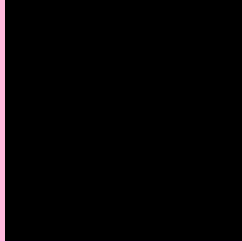
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 61.5983, 0.3422, 0.2934**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.5983, 0.3422, 0.2934.



This preview shows how white text looks on a background with the Yxy color 61.5983, 0.3422, 0.2934.

# 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

61.5983, 0.3422, 0.2934

### Protanopia

62.1024, 0.2916, 0.2973

### Deuteranopia

61.7427, 0.3160, 0.3090



## Tritanopia

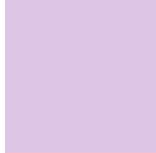
61.6375, 0.3540, 0.3135

# Trichromacy



## Original Color

61.5983, 0.3422, 0.2934



## Protanomaly

61.4175, 0.3082, 0.2950



## Deuteranomaly

61.4683, 0.3250, 0.3031



## Tritanomaly

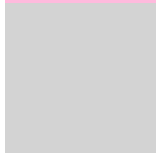
61.6904, 0.3501, 0.3064

# Monochromacy



## Original Color

61.5983, 0.3422, 0.2934



## Achromatopsia

65.1406, 0.3127, 0.3290



## Achromatomaly

63.4782, 0.3227, 0.3148

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.5983, 0.3422, 0.2934 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, 186, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 221)  
}
```

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, 186, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 61.5983, 0.3422, 0.2934 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, 186, 221) }
```

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

```
.border{ border-color:rgb(255, 186, 221) }
```

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

Here you see how a box with a 4 pixel rgb(255, 186, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
221) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.5983, 0.3422, 0.2934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 186, 221) }
```

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

```
.background{ background-color: rgb(255,  
186, 221) }
```

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