

# Converting Colors

$Y_{xy}(63.2592, 0.3455, 0.2914)$

Have a look what the booklet for  
Yxy(63.2592, 0.3455, 0.2914)  
contains.

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# **Color**

**Yxy(61.7596, 0.3398, 0.2904)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBAE0
RGB	255, 186, 224
RGB Percent	100%, 73%, 88%
CMY	0.0000, 0.2706, 0.1215
CMYK	0.00, 0.27, 0.12, 0.00
HSL	327°, 100%, 86%
HSV	327°, 27%, 100%
XYZ	72.2655, 61.7596, 78.6457
YIQ	210.9630, 28.9260, 26.4460

# Conversions

## Conversions Part 2

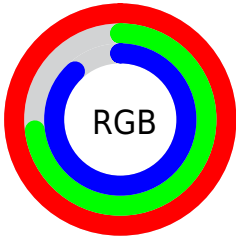
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 186, 224
Decimal	16759520
CIE Lab	82.79, 30.55, -9.13
CIE LCh	83, 31.888, 343.369
Yxy	61.7596, 0.3398, 0.2904
Android (android.graphics.Color)	4294949600 (0xFFFFBAE0)
YUV	210.9630, 6.4272, 38.6204
Hunter-Lab	78.5873, 26.6133, -4.3230

# Details

The Yxy color  $61.7596, 0.3398, 0.2904$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $86.9655, 0.2925, 0.3712$ , and the grayscale version is  $65.0533, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $92.5812, 0.3133, 0.3175$ , and  $31.2374, 0.3456, 0.2809$  is the 20% darker color. If you saturate the color by 10%, you get  $51.3531, 0.3534, 0.2756$ , and if you desaturate by 10%, it is  $74.1160, 0.3282, 0.3051$ .

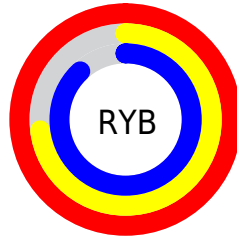
# Distribution



Red (100%)

Green (73%)

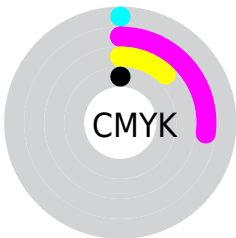
Blue (88%)



Red (100%)

Yellow (73%)

Blue (88%)

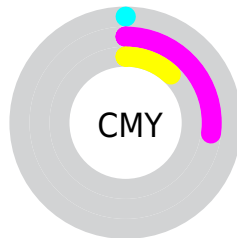


Cyan (0%)

Magenta (27%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (27%)


Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.7596, 0.3398, 0.2904 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 61.7596, 0.3398, 0.2904 by changing the saturation by 10% instead.





 61.7596, 0.3398,  
0.2904

 61.7596, 0.3398,  
0.2904

431.0536, 0.3272,  
0.3082

 44.8385, 0.3427,  
0.2864


 107.3780, 0.3354,  
0.2966

 31.3302, 0.3463,  
0.2814


136.8441, 0.3337,  
0.2990

 20.8504, 0.3509,  
0.2751


171.2606, 0.3322,  
0.3010

 13.0147, 0.3569,  
0.2668

211.0120, 0.3310,  
0.3028

 7.4387, 0.3651,  
0.2557

256.4826, 0.3298,  
0.3044

 3.7379, 0.3771,  
0.2398


308.0568, 0.3289,

 1.5281, 0.3959,


0.3058


0.2152


366.1190, 0.3280,  
0.3071


 0.3084, 0.4513,  
0.1319

 0.0000, 0.0000,  
0.0000


 61.7596, 0.3398,  
0.2904


 61.7596, 0.3398,  
0.2904

 51.3531, 0.3534,  
0.2756


 74.1160, 0.3282,  
0.3051

 42.8072, 0.3694,  
0.2615

 88.5309, 0.3185,  
0.3194

 36.0051, 0.3875,  
0.2491

100.0000, 0.3127,  
0.3290

 30.8222, 0.4076,  
0.2395

■ 27.1174, 0.4290,  
0.2339

■ 24.7248, 0.4508,  
0.2335

■ 23.4327, 0.4720,  
0.2386

■ 23.1690, 0.4781,  
0.2407

# Harmonies

## Analogous

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



61.7596, 0.2985, 0.2702



61.7596, 0.3398, 0.2904



61.7596, 0.3753, 0.3198

# Triad

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



61.7596, 0.3398, 0.2904



61.7596, 0.3611, 0.4004



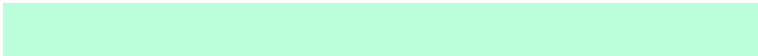
61.7596, 0.2385, 0.2969

# Complementary

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



61.7596, 0.3398, 0.2904



86.9655, 0.2925, 0.3712

# 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.



61.7596, 0.2530, 0.3340



61.7596, 0.3398, 0.2904



61.7596, 0.3228, 0.3979

# Square

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



61.7596, 0.3398, 0.2904



61.7596, 0.3874, 0.3825



61.7596, 0.2833, 0.3727



61.7596, 0.2422, 0.2720



# Rectangle

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



61.7596, 0.3398, 0.2904



61.7596, 0.3897, 0.3418



61.7596, 0.2833, 0.3727



61.7596, 0.2414, 0.3083

# Sweetspot

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



61.7551, 0.3398, 0.2904



87.0920, 0.3194, 0.3181



56.9149, 0.2865, 0.2552



18.1546, 0.3207, 0.3160



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.



61.7551, 0.3398, 0.2904



56.3821, 0.3462, 0.2831



60.1158, 0.3677, 0.3244



18.1546, 0.3207, 0.3160



12.1369, 0.4748, 0.2389



1.2038, 0.4524, 0.2266



# Inverse Universe

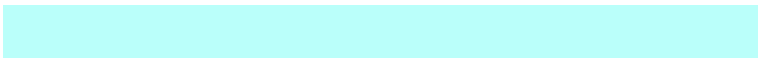
The Inverse Universe completely reimagines the original color for something new.



61.7551, 0.3398, 0.2904



56.3821, 0.3462, 0.2831



88.8847, 0.2754, 0.3338



18.1546, 0.3207, 0.3160



12.1369, 0.4748, 0.2389



1.2038, 0.4524, 0.2266



# Previews

## White Background



This preview shows how the Yxy color 61.7596, 0.3398, 0.2904 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

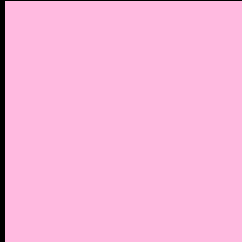
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.7596, 0.3398, 0.2904 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

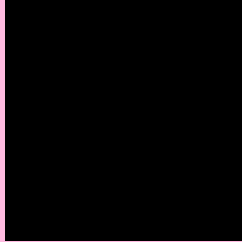
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 61.7596, 0.3398, 0.2904**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.7596, 0.3398, 0.2904.



This preview shows how white text looks on a background with the Yxy color 61.7596, 0.3398, 0.2904.

# 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

61.7596, 0.3398, 0.2904

### Protanopia

62.1363, 0.2889, 0.2940

### Deuteranopia

62.2094, 0.3130, 0.3069



## Tritanopia

61.6375, 0.3540, 0.3135

# Trichromacy



## Original Color

61.7596, 0.3398, 0.2904



## Protanomaly

61.5865, 0.3061, 0.2919



## Deuteranomaly

62.0774, 0.3227, 0.3011



## Tritanomaly

61.7404, 0.3493, 0.3054

# Monochromacy



## Original Color

61.7596, 0.3398, 0.2904



## Achromatopsia

65.1406, 0.3127, 0.3290



## Achromatomaly

63.5298, 0.3219, 0.3137

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.7596, 0.3398, 0.2904 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 61.7596, 0.3398, 0.2904 is called "border". The border property can be set on classes, ids or directly on the HTML element.

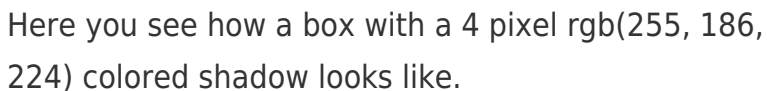
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 186, 224) }
```

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

```
.border{ border-color:rgb(255, 186, 224) }
```

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, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 186, 224); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 186, 224); box-shadow:4px 4px 4px 4px rgb(255, 186, 224) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.7596, 0.3398, 0.2904 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, 224) }
```

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

```
.background{ background-color: rgb(255,  
186, 224) }
```

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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