

# Converting Colors

$Y_{xy}(72.9675, 0.3810, 0.3020)$

Have a look what the booklet for  
Yxy(72.9675, 0.3810, 0.3020)  
contains.

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# Color

**Yxy(62.7697, 0.3434, 0.2984)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBDDDB
RGB	255, 189, 219
RGB Percent	100%, 74%, 86%
CMY	0.0000, 0.2589, 0.1410
CMYK	0.00, 0.26, 0.14, 0.00
HSL	333°, 100%, 87%
HSV	333°, 26%, 100%
XYZ	72.2356, 62.7697, 75.3489
YIQ	212.1540, 29.7060, 23.3220

# Conversions

## Conversions Part 2

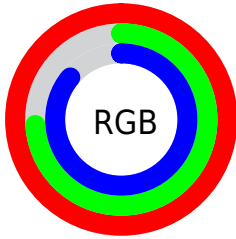
Format	Color
R <sub>Y</sub> B	255, 189, 219
Decimal	16760283
CIE Lab	83.32, 28.18, -5.66
CIE LCh	83, 28.745, 348.644
Yxy	62.7697, 0.3434, 0.2984
Android (android.graphics.Color)	4294950363 (0xFFFFBDDDB)
YUV	212.1540, 3.3751, 37.5759
Hunter-Lab	79.2273, 24.0998, -0.9284

# Details

The Yxy color  $62.7697, 0.3434, 0.2984$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $87.7711, 0.2900, 0.3619$ , and the grayscale version is  $65.9053, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $94.3915, 0.3131, 0.3204$ , and  $31.8786, 0.3505, 0.2911$  is the 20% darker color. If you saturate the color by 10%, you get  $52.0428, 0.3598, 0.2860$ , and if you desaturate by 10%, it is  $75.4799, 0.3297, 0.3107$ .

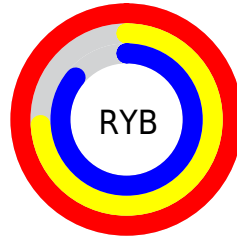
# Distribution



Red (100%)

Green (74%)

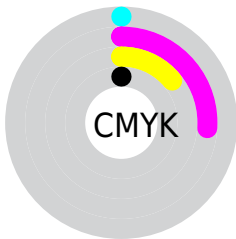
Blue (86%)



Red (100%)

Yellow (74%)

Blue (86%)

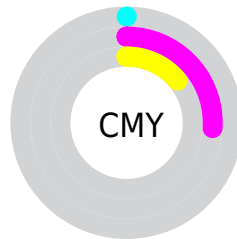


Cyan (0%)

Magenta (26%)

Yellow (14%)

Black (0%)



Cyan (0%)

Magenta (26%)


Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.7697, 0.3434, 0.2984 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 62.7697, 0.3434, 0.2984 by changing the saturation by 10% instead.



 62.7697, 0.3434,  
0.2984

 62.7697, 0.3434,  
0.2984


434.7332, 0.3290,  
0.3126

 45.6549, 0.3467,  
0.2951

 108.8372, 0.3384,  
0.3033

 31.9736, 0.3509,  
0.2911


138.5587, 0.3364,  
0.3053

 21.3413, 0.3562,  
0.2860


173.2512, 0.3347,  
0.3069

 13.3737, 0.3633,  
0.2793

213.2992, 0.3333,  
0.3083

 7.6864, 0.3730,  
0.2701

259.0870, 0.3320,  
0.3096

 3.8949, 0.3873,  
0.2569

310.9990, 0.3309,

 1.6150, 0.4105,

0.3107

0.2361

369.4196, 0.3299,  
0.3117

0.3677, 0.4750,  
0.1659

0.0000, 0.0000,  
0.0000

62.7697, 0.3434,  
0.2984

62.7697, 0.3434,  
0.2984

52.0428, 0.3598,  
0.2860

75.4799, 0.3297,  
0.3107

43.2061, 0.3792,  
0.2742

90.2778, 0.3184,  
0.3224

36.1449, 0.4017,  
0.2637

100.0000, 0.3127,  
0.3290

30.7354, 0.4270,  
0.2559

■ 26.8379, 0.4543,  
0.2519

■ 24.2893, 0.4822,  
0.2530

■ 22.8874, 0.5089,  
0.2597

■ 22.5224, 0.5194,  
0.2635

# Harmonies

## Analogous

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



62.7697, 0.3065, 0.2782



62.7697, 0.3434, 0.2984



62.7697, 0.3730, 0.3261

# Triad

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



62.7697, 0.3434, 0.2984



62.7697, 0.3509, 0.3940



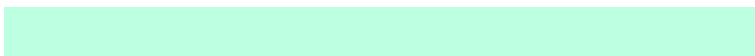
62.7697, 0.2451, 0.2955

# Complementary

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



62.7697, 0.3434, 0.2984



87.7711, 0.2900, 0.3619

# 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.



62.7697, 0.2555, 0.3274



62.7697, 0.3434, 0.2984



62.7697, 0.3156, 0.3877

# Square

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



62.7697, 0.3434, 0.2984



62.7697, 0.3768, 0.3812



62.7697, 0.2808, 0.3624



62.7697, 0.2514, 0.2753



# Rectangle

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



62.7697, 0.3434, 0.2984



62.7697, 0.3835, 0.3461



62.7697, 0.2808, 0.3624



62.7697, 0.2468, 0.3052

# Sweetspot

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



62.7665, 0.3434, 0.2984



86.9725, 0.3206, 0.3200



59.4887, 0.2927, 0.2597



18.1246, 0.3222, 0.3182



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.



62.7665, 0.3434, 0.2984



57.0410, 0.3514, 0.2921



62.2777, 0.3677, 0.3315



18.1246, 0.3222, 0.3182



11.7977, 0.5155, 0.2613



1.1704, 0.4877, 0.2460



# Inverse Universe

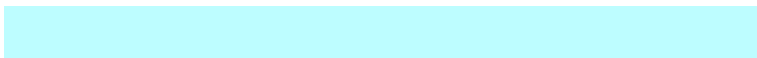
The Inverse Universe completely reimagines the original color for something new.



62.7665, 0.3434, 0.2984



57.0410, 0.3514, 0.2921



88.1615, 0.2745, 0.3266



18.1246, 0.3222, 0.3182



11.7977, 0.5155, 0.2613



1.1704, 0.4877, 0.2460



# Previews

## White Background



This preview shows how the Yxy color 62.7697, 0.3434, 0.2984 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

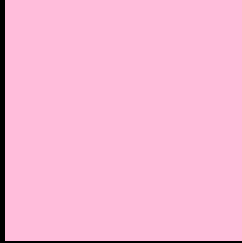
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.7697, 0.3434, 0.2984 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

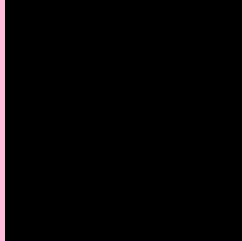
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.7697, 0.3434, 0.2984**

## Background



This preview shows how black text looks on a background with the Yxy color 62.7697, 0.3434, 0.2984.



This preview shows how white text looks on a background with the Yxy color 62.7697, 0.3434, 0.2984.

# 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

62.7697, 0.3434, 0.2984

### Protanopia

62.8349, 0.2957, 0.3019

### Deuteranopia

63.0981, 0.3189, 0.3125



## Tritanopia

62.6005, 0.3520, 0.3135

# Trichromacy



## Original Color

62.7697, 0.3434, 0.2984



## Protanomaly

62.4875, 0.3118, 0.3006



## Deuteranomaly

62.6566, 0.3272, 0.3065



## Tritanomaly

62.6009, 0.3489, 0.3075

# Monochromacy



## Original Color

62.7697, 0.3434, 0.2984



## Achromatopsia

65.8375, 0.3127, 0.3290



## Achromatomaly

64.5860, 0.3232, 0.3170

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.7697, 0.3434, 0.2984 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 62.7697, 0.3434, 0.2984 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, 219) }
```

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

```
.border{ border-color:rgb(255, 189, 219) }
```

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, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.7697, 0.3434, 0.2984 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, 219) }
```

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

```
.background{ background-color: rgb(255,  
189, 219) }
```

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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