

# Converting Colors

$Yxy(74.6407, 0.3717, 0.2999)$

Have a look what the booklet for  
Yxy(74.6407, 0.3717, 0.2999)  
contains.

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# Color

**Yxy(65.3346, 0.3372, 0.2966)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC2E2
RGB	255, 194, 226
RGB Percent	100%, 76%, 89%
CMY	0.0000, 0.2393, 0.1136
CMYK	0.00, 0.24, 0.11, 0.00
HSL	328°, 100%, 88%
HSV	328°, 24%, 100%
XYZ	74.2779, 65.3346, 80.6660
YIQ	215.8870, 26.0840, 22.8840

# Conversions

## Conversions Part 2

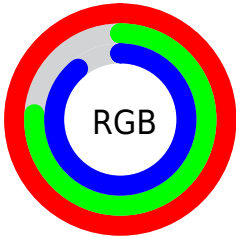
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 194, 226
Decimal	16761570
CIE Lab	84.66, 26.69, -7.43
CIE LCh	85, 27.703, 344.452
Yxy	65.3346, 0.3372, 0.2966
Android (android.graphics.Color)	4294951650 (0xFFFFC2E2)
YUV	215.8870, 4.9857, 34.3021
Hunter-Lab	80.8298, 22.5789, -2.5889

# Details

The Yxy color **65.3346, 0.3372, 0.2966** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.3115, 0.2939, 0.3639**, and the grayscale version is **68.5326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4744, 0.3129, 0.3252**, and **33.7022, 0.3431, 0.2889** is the 20% darker color. If you saturate the color by 10%, you get **54.2931, 0.3509, 0.2824**, and if you desaturate by 10%, it is **78.3539, 0.3256, 0.3106**.

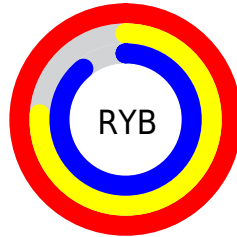
# Distribution



Red (100%)

Green (76%)

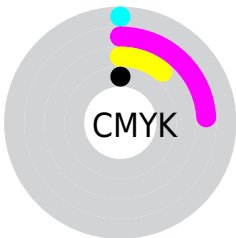
Blue (89%)



Red (100%)

Yellow (76%)

Blue (89%)

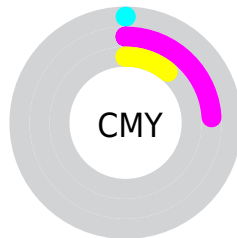


Cyan (0%)

Magenta (24%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (24%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.3346, 0.3372, 0.2966 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 65.3346, 0.3372, 0.2966 by changing the saturation by 10% instead.





 65.3346, 0.3372,  
0.2966

 65.3346, 0.3372,  
0.2966

443.9934, 0.3259,  
0.3115

 47.7324, 0.3398,  
0.2932


 112.5308, 0.3333,  
0.3017

 33.6151, 0.3430,  
0.2891

142.8936, 0.3317,  
0.3037

 22.5980, 0.3471,  
0.2838


178.2787, 0.3304,  
0.3055

 14.2970, 0.3524,  
0.2770

219.0706, 0.3293,  
0.3070

 8.3275, 0.3597,  
0.2678

265.6536, 0.3283,  
0.3083

 4.3052, 0.3703,  
0.2546

318.4122, 0.3274,

 1.8457, 0.3869,

0.3095

0.2344

377.7306, 0.3266,  
0.3105

0.5154, 0.4240,  
0.1855

0.0000, 1.0000,  
0.0000

65.3346, 0.3372,  
0.2966

65.3346, 0.3372,  
0.2966

54.2931, 0.3509,  
0.2824

78.3539, 0.3256,  
0.3106

45.1538, 0.3671,  
0.2687

93.4690, 0.3160,  
0.3240

37.7991, 0.3857,  
0.2562

100.0000, 0.3127,  
0.3290

32.1087, 0.4067,  
0.2461

■ 27.9470, 0.4293,  
0.2397

■ 25.1570, 0.4527,  
0.2382

■ 23.5466, 0.4757,  
0.2422

■ 22.9792, 0.4892,  
0.2469

# Harmonies

## Analogous

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



65.3346, 0.3020, 0.2786



65.3346, 0.3372, 0.2966



65.3346, 0.3669, 0.3224

# Triad

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



65.3346, 0.3372, 0.2966



65.3346, 0.3533, 0.3901



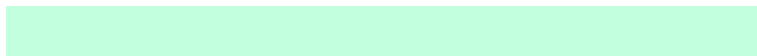
65.3346, 0.2487, 0.3010

# Complementary

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



65.3346, 0.3372, 0.2966



88.3115, 0.2939, 0.3639

# 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.



65.3346, 0.2608, 0.3323



65.3346, 0.3372, 0.2966



65.3346, 0.3204, 0.3867

# Square

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



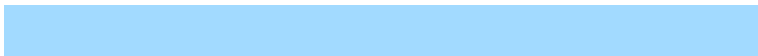
65.3346, 0.3372, 0.2966



65.3346, 0.3760, 0.3760



65.3346, 0.2867, 0.3649



65.3346, 0.2525, 0.2797



# Rectangle

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



65.3346, 0.3372, 0.2966



65.3346, 0.3786, 0.3415



65.3346, 0.2867, 0.3649



65.3346, 0.2510, 0.3106

# Sweetspot

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



65.3264, 0.3372, 0.2966



88.6014, 0.3188, 0.3199



61.3954, 0.2915, 0.2648



18.7646, 0.3193, 0.3191



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.



65.3264, 0.3372, 0.2966



59.4895, 0.3438, 0.2894



63.8200, 0.3612, 0.3270



18.1465, 0.3211, 0.3166



12.0375, 0.4857, 0.2449



1.1941, 0.4617, 0.2317



# Inverse Universe

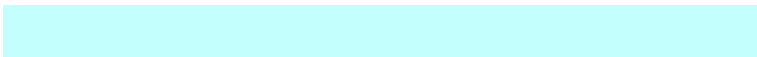
The Inverse Universe completely reimagines the original color for something new.



65.3264, 0.3372, 0.2966



59.4895, 0.3438, 0.2894



90.0761, 0.2783, 0.3310



18.1465, 0.3211, 0.3166



12.0375, 0.4857, 0.2449



1.1941, 0.4617, 0.2317



# Previews

## White Background



This preview shows how the Yxy color 65.3346, 0.3372, 0.2966 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

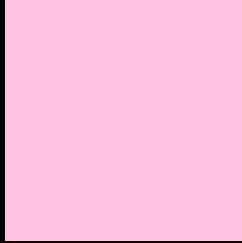
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.3346, 0.3372, 0.2966 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 65.3346, 0.3372, 0.2966**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.3346, 0.3372, 0.2966.



This preview shows how white text looks on a background with the Yxy color 65.3346, 0.3372, 0.2966.

# 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

65.3346, 0.3372, 0.2966

### Protanopia

65.5592, 0.2940, 0.3002

### Deuteranopia

65.3754, 0.3159, 0.3084



## Tritanopia

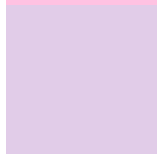
65.1160, 0.3463, 0.3126

# Trichromacy



## Original Color

65.3346, 0.3372, 0.2966



## Protanomaly

65.0195, 0.3089, 0.2988



## Deuteranomaly

65.2141, 0.3231, 0.3036



## Tritanomaly

65.1108, 0.3433, 0.3066

# Monochromacy



## Original Color

65.3346, 0.3372, 0.2966



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

67.1021, 0.3208, 0.3161

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.3346, 0.3372, 0.2966 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, 194, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 194, 226)  
}
```

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, 194, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 194, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 65.3346, 0.3372, 0.2966 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, 194, 226) }
```

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

```
.border{ border-color:rgb(255, 194, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 194, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 194, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 194, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 194,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.3346, 0.3372, 0.2966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 194, 226) }
```

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

```
.background{ background-color: rgb(255,  
194, 226) }
```

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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