

# Converting Colors

Yxy(64.9291, 0.3365, 0.2946)

Have a look what the booklet for  
Yxy(64.9291, 0.3365, 0.2946)  
contains.

<b>Yxy(64.9460, 0.3365, 0.2946)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(64.9460, 0.3365, 0.2946)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC1E3
RGB	255, 193, 227
RGB Percent	100%, 76%, 89%
CMY	0.0000, 0.2432, 0.1097
CMYK	0.00, 0.24, 0.11, 0.00
HSL	327°, 100%, 88%
HSV	327°, 24%, 100%
XYZ	74.1831, 64.9460, 81.3258
YIQ	215.4140, 26.0380, 23.7180

# Conversions

## Conversions Part 2

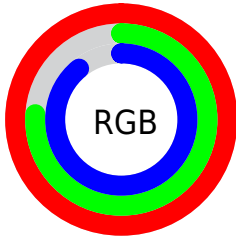
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 193, 227
Decimal	16761315
CIE <sub>Lab</sub>	84.46, 27.35, -8.26
CIE <sub>LCh</sub>	84, 28.575, 343.193
Yxy	64.9460, 0.3365, 0.2946
Android (android.graphics.Color)	4294951395 (0xFFFFC1E3)
YUV	215.4140, 5.7119, 34.7169
Hunter-Lab	80.5891, 23.2802, -3.4196

# Details

The Yxy color  $64.9460, 0.3365, 0.2946$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $88.0750, 0.2944, 0.3662$ , and the grayscale version is  $68.1977, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $96.8512, 0.3129, 0.3242$ , and  $33.4496, 0.3422, 0.2864$  is the 20% darker color. If you saturate the color by 10%, you get  $54.0133, 0.3496, 0.2798$ , and if you desaturate by 10%, it is  $77.8648, 0.3254, 0.3092$ .

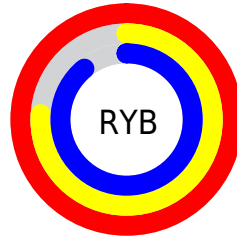
# Distribution



Red (100%)

Green (76%)

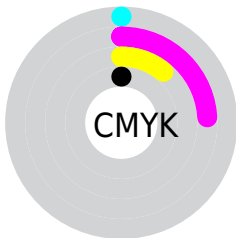
Blue (89%)



Red (100%)

Yellow (76%)

Blue (89%)

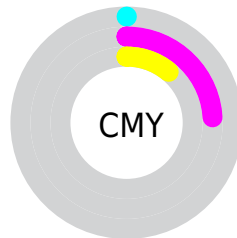


Cyan (0%)

Magenta (24%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (24%)


Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9460, 0.3365, 0.2946 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 64.9460, 0.3365, 0.2946 by changing the saturation by 10% instead.



 64.9460, 0.3365,  
0.2946

 64.9460, 0.3365,  
0.2946


442.5979, 0.3255,  
0.3104

 47.4173, 0.3390,  
0.2910


 111.9722, 0.3327,  
0.3001

 33.3657, 0.3421,  
0.2866


142.2385, 0.3312,  
0.3022

 22.4067, 0.3461,  
0.2811


177.5195, 0.3299,  
0.3040

 14.1561, 0.3512,  
0.2739

218.1995, 0.3288,  
0.3056

 8.2293, 0.3582,  
0.2642

264.6629, 0.3278,  
0.3070

 4.2420, 0.3684,  
0.2503


317.2942, 0.3270,


 1.8098, 0.3842,


0.3083


0.2291


376.4777, 0.3262,  
0.3094


 0.4933, 0.4205,  
0.1769


 0.0000, 1.0000,  
0.0000


 64.9460, 0.3365,  
0.2946


 64.9460, 0.3365,  
0.2946

 54.0133, 0.3496,  
0.2798


 77.8648, 0.3254,  
0.3092

 44.9661, 0.3650,  
0.2655

 92.8630, 0.3162,  
0.3232

 37.6950, 0.3827,  
0.2525

100.0000, 0.3127,  
0.3290

 32.0792, 0.4024,  
0.2421

■ 27.9826, 0.4236,  
0.2353

■ 25.2473, 0.4456,  
0.2335

■ 23.6798, 0.4671,  
0.2372

■ 23.1536, 0.4790,  
0.2412

# Harmonies

## Analogous

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



64.9460, 0.3001, 0.2765



64.9460, 0.3365, 0.2946



64.9460, 0.3677, 0.3209

# Triad

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



64.9460, 0.3365, 0.2946



64.9460, 0.3559, 0.3918



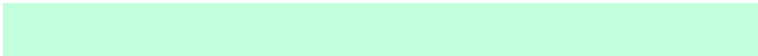
64.9460, 0.2469, 0.3011

# Complementary

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



64.9460, 0.3365, 0.2946



88.0750, 0.2944, 0.3662

# 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.



64.9460, 0.2600, 0.3339



64.9460, 0.3365, 0.2946



64.9460, 0.3221, 0.3893

# Square

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



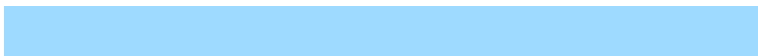
64.9460, 0.3365, 0.2946



64.9460, 0.3787, 0.3765



64.9460, 0.2871, 0.3674



64.9460, 0.2501, 0.2787



# Rectangle

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



64.9460, 0.3365, 0.2946



64.9460, 0.3803, 0.3405



64.9460, 0.2871, 0.3674



64.9460, 0.2495, 0.3112

# Sweetspot

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



64.9460, 0.3365, 0.2946



88.6276, 0.3185, 0.3195



60.7139, 0.2904, 0.2635



18.7707, 0.3190, 0.3187



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.



64.9460, 0.3365, 0.2946



59.5833, 0.3424, 0.2877



63.3877, 0.3614, 0.3259



18.1540, 0.3208, 0.3160



12.1288, 0.4757, 0.2394



1.2030, 0.4531, 0.2270



# Inverse Universe

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



64.9460, 0.3365, 0.2946



59.5833, 0.3424, 0.2877



89.8788, 0.2783, 0.3322



18.1540, 0.3208, 0.3160



12.1288, 0.4757, 0.2394



1.2030, 0.4531, 0.2270



# Previews

## White Background



This preview shows how the Yxy color 64.9460, 0.3365, 0.2946 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

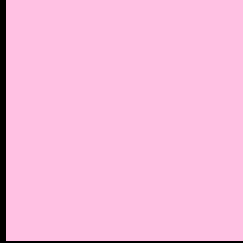
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.9460, 0.3365, 0.2946 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 64.9460, 0.3365, 0.2946**

## Background



This preview shows how black text looks on a background with the Yxy color 64.9460, 0.3365, 0.2946.



This preview shows how white text looks on a background with the Yxy color 64.9460, 0.3365, 0.2946.

# 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

64.9460, 0.3365, 0.2946

### Protanopia

65.4730, 0.2926, 0.2991

### Deuteranopia

65.1064, 0.3137, 0.3073



## Tritanopia

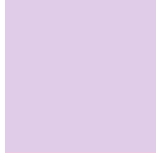
65.0657, 0.3471, 0.3136

# Trichromacy



## Original Color

64.9460, 0.3365, 0.2946



## Protanomaly

64.9162, 0.3075, 0.2977



## Deuteranomaly

65.0971, 0.3216, 0.3025



## Tritanomaly

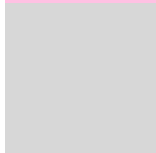
65.1108, 0.3433, 0.3066

# Monochromacy



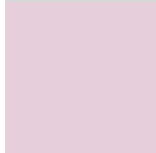
## Original Color

64.9460, 0.3365, 0.2946



## Achromatopsia

67.9542, 0.3127, 0.3290



## Achromatomaly

66.5631, 0.3216, 0.3161

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.9460, 0.3365, 0.2946 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, 193, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 193, 227)  
}
```

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, 193, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 193, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 64.9460, 0.3365, 0.2946 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, 193, 227) }
```

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

```
.border{ border-color:rgb(255, 193, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 193, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 193, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 193, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 193,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.9460, 0.3365, 0.2946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 193, 227) }
```

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

```
.background{ background-color: rgb(255,  
193, 227) }
```

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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