

# Converting Colors

$Y_{xy}(71.9929, 0.3518, 0.2837)$

Have a look what the booklet for  
Yxy(71.9929, 0.3518, 0.2837)  
contains.

<b>Yxy(64.8725, 0.3260, 0.2792)</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(64.8725, 0.3260, 0.2792)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBFF1
RGB	255, 191, 241
RGB Percent	100%, 75%, 95%
CMY	0.0000, 0.2510, 0.0550
CMYK	0.00, 0.25, 0.05, 0.00
HSL	313°, 100%, 87%
HSV	313°, 25%, 100%
XYZ	75.7465, 64.8725, 91.7323
YIQ	215.8360, 22.0940, 29.1180

# Conversions

## Conversions Part 2

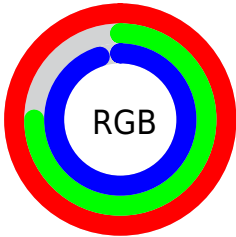
Format	Color
R <sub>Y</sub> B	255, 191, 241
Decimal	16760817
CIE Lab	84.42, 30.73, -15.76
CIE LCh	84, 34.535, 332.850
Yxy	64.8725, 0.3260, 0.2792
Android (android.graphics.Color)	4294950897 (0xFFFFBFF1)
YUV	215.8360, 12.4059, 34.3468
Hunter-Lab	80.5435, 26.9180, -11.1460

# Details

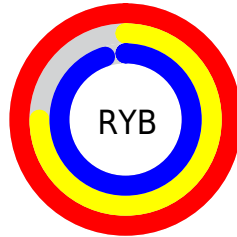
The Yxy color  $64.8725, 0.3260, 0.2792$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $87.0064, 0.3018, 0.3846$ , and the grayscale version is  $68.4553, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $95.6148, 0.3130, 0.3223$ , and  $33.3999, 0.3290, 0.2681$  is the 20% darker color. If you saturate the color by 10%, you get  $54.3745, 0.3327, 0.2590$ , and if you desaturate by 10%, it is  $77.3207, 0.3201, 0.2995$ .

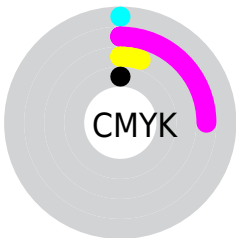
# Distribution



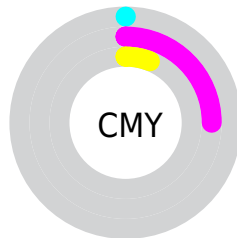
- Red (100%)
- Green (75%)
- Blue (95%)



- Red (100%)
- Yellow (75%)
- Blue (95%)



- Cyan (0%)
- Magenta (25%)
- Yellow (5%)
- Black (0%)



- Cyan (0%)
- Magenta (25%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.8725, 0.3260, 0.2792 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 64.8725, 0.3260, 0.2792 by changing the saturation by 10% instead.




 64.8725, 0.3260,  
0.2792

 64.8725, 0.3260,  
0.2792


442.3336, 0.3202,  
0.3017

 47.3577, 0.3272,  
0.2742


 111.8665, 0.3240,  
0.2869

 33.3185, 0.3288,  
0.2681


142.1146, 0.3233,  
0.2899

 22.3706, 0.3306,  
0.2604


177.3758, 0.3226,  
0.2925

 14.1294, 0.3329,  
0.2506

218.0346, 0.3220,  
0.2948

 8.2107, 0.3359,  
0.2376

264.4754, 0.3215,  
0.2969

 4.2301, 0.3397,  
0.2196

317.0826, 0.3210,

 1.8031, 0.3449,

0.2986

0.1930

376.2405, 0.3206,  
0.3003

0.4891, 0.3572,  
0.1373

0.0000, 0.2751,  
0.0000

64.8725, 0.3260,  
0.2792

64.8725, 0.3260,  
0.2792

54.3745, 0.3327,  
0.2590

77.3207, 0.3201,  
0.2995

45.7206, 0.3402,  
0.2397

91.8065, 0.3150,  
0.3193

38.8032, 0.3483,  
0.2223

100.0000, 0.3127,  
0.3290

33.5012, 0.3569,  
0.2078

■ 29.6780, 0.3657,  
0.1971

■ 27.1743, 0.3745,  
0.1911

■ 25.7938, 0.3829,  
0.1899

■ 25.3898, 0.3870,  
0.1905

# Harmonies

## Analogous

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



64.8725, 0.2831, 0.2623



64.8725, 0.3260, 0.2792



64.8725, 0.3677, 0.3074

# Triad

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



64.8725, 0.3260, 0.2792



64.8725, 0.3759, 0.4003



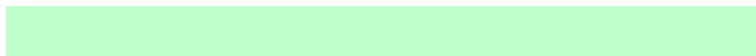
64.8725, 0.2372, 0.3073

# Complementary

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



64.8725, 0.3260, 0.2792



87.0064, 0.3018, 0.3846

# 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.



64.8725, 0.2588, 0.3494



64.8725, 0.3260, 0.2792



64.8725, 0.3383, 0.4064

# Square

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



64.8725, 0.3260, 0.2792



64.8725, 0.3972, 0.3754



64.8725, 0.2954, 0.3876



64.8725, 0.2344, 0.2756



# Rectangle

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



64.8725, 0.3260, 0.2792



64.8725, 0.3880, 0.3299



64.8725, 0.2954, 0.3876



64.8725, 0.2424, 0.3207

# Sweetspot

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



64.8744, 0.3260, 0.2792



87.3833, 0.3164, 0.3136



57.4457, 0.2789, 0.2591



18.2282, 0.3172, 0.3106



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.



64.8744, 0.3260, 0.2792



59.4873, 0.3292, 0.2692



63.1350, 0.3511, 0.3104



18.2282, 0.3172, 0.3106



13.2900, 0.3857, 0.1898



1.3101, 0.3768, 0.1849



# Inverse Universe

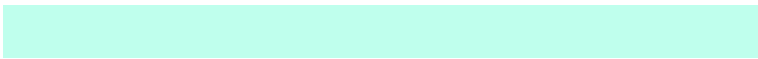
The Inverse Universe completely reimagines the original color for something new.



64.8744, 0.3260, 0.2792



59.4873, 0.3292, 0.2692



88.7040, 0.2849, 0.3485



18.2282, 0.3172, 0.3106



13.2900, 0.3857, 0.1898



1.3101, 0.3768, 0.1849



# Previews

## White Background



This preview shows how the Yxy color 64.8725, 0.3260, 0.2792 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

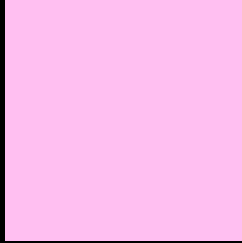
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.8725, 0.3260, 0.2792 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

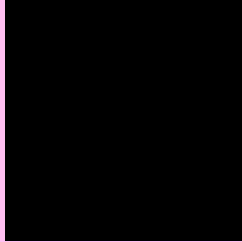
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.8725, 0.3260, 0.2792**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.8725, 0.3260, 0.2792.



This preview shows how white text looks on a background with the Yxy color 64.8725, 0.3260, 0.2792.

# 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

64.8725, 0.3260, 0.2792

### Protanopia

65.2493, 0.2794, 0.2810

### Deuteranopia

64.8958, 0.3004, 0.2933



## Tritanopia

64.6922, 0.3455, 0.3135

# Trichromacy



## Original Color

64.8725, 0.3260, 0.2792



## Protanomaly

64.4528, 0.2946, 0.2791



## Deuteranomaly

64.6964, 0.3094, 0.2879



## Tritanomaly

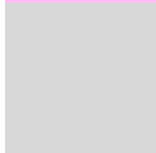
64.5529, 0.3379, 0.3004

# Monochromacy



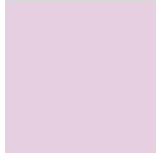
## Original Color

64.8725, 0.3260, 0.2792



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

66.8849, 0.3174, 0.3097

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.8725, 0.3260, 0.2792 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, 191, 241)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 241)  
}
```

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, 191, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 64.8725, 0.3260, 0.2792 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, 191, 241) }
```

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

```
.border{ border-color:rgb(255, 191, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 191, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 241);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.8725, 0.3260, 0.2792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 191, 241) }
```

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

```
.background{ background-color: rgb(255,  
191, 241) }
```

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