

# Converting Colors

$Y_{xy}(64.3075, 0.3202, 0.2926)$

Have a look what the booklet for  
Yxy(64.3075, 0.3202, 0.2926)  
contains.

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# Color

**Yxy(64.2840, 0.3206, 0.2925)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0C5E8
RGB	240, 197, 232
RGB Percent	94%, 77%, 91%
CMY	0.0589, 0.2274, 0.0902
CMYK	0.00, 0.18, 0.03, 0.06
HSL	311°, 59%, 86%
HSV	311°, 18%, 94%
XYZ	70.4597, 64.2840, 85.0307
YIQ	213.8470, 14.3930, 20.0010

# Conversions

## Conversions Part 2

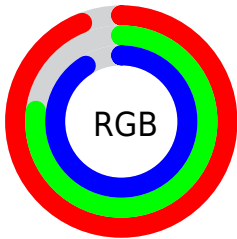
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 197, 232
Decimal	15779304
CIE Lab	84.11, 21.00, -11.57
CIE LCh	84, 23.972, 331.148
Yxy	64.2840, 0.3206, 0.2925
Android (android.graphics.Color)	4293969384 (0xFFFF0C5E8)
YUV	213.8470, 8.9494, 22.9362
Hunter-Lab	80.1773, 16.5552, -6.7549

# Details

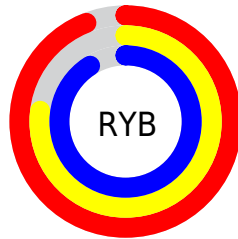
The Yxy color  $64.2840, 0.3206, 0.2925$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $78.5871, 0.3057, 0.3685$ , and the grayscale version is  $67.0687, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $99.3636, 0.3128, 0.3281$ , and  $32.9699, 0.3230, 0.2846$  is the 20% darker color. If you saturate the color by 10%, you get  $53.9909, 0.3259, 0.2715$ , and if you desaturate by 10%, it is  $76.3240, 0.3159, 0.3132$ .

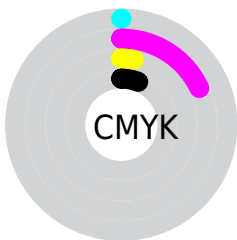
# Distribution



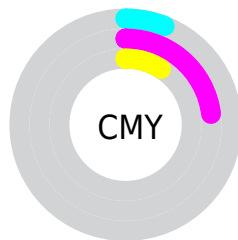
- Red (94%)
- Green (77%)
- Blue (91%)



- Red (94%)
- Yellow (77%)
- Blue (91%)



- Cyan (0%)
- Magenta (18%)
- Yellow (3%)
- Black (6%)



- Cyan (6%)
- Magenta (23%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.2840, 0.3206, 0.2925 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 64.2840, 0.3206, 0.2925 by changing the saturation by 10% instead.



64.2840, 0.3206,  
0.2925

64.2840, 0.3206,  
0.2925

440.2145, 0.3171,  
0.3092

46.8807, 0.3214,  
0.2887

111.0198, 0.3194,  
0.2983

32.9414, 0.3223,  
0.2840

141.1212, 0.3190,  
0.3005

22.0815, 0.3234,  
0.2782

176.2241, 0.3185,  
0.3025

13.9168, 0.3248,  
0.2705

216.7128, 0.3182,  
0.3042

8.0628, 0.3267,  
0.2602

262.9718, 0.3179,  
0.3057

4.1352, 0.3292,  
0.2456

315.3855, 0.3176,

1.7495, 0.3326,

0.3070

0.2232

374.3383, 0.3173,  
0.3082

0.4554, 0.3452,  
0.1655

0.0000, 0.0000,  
0.0000

64.2840, 0.3206,  
0.2925

64.2840, 0.3206,  
0.2925

53.9909, 0.3259,  
0.2715

76.3240, 0.3159,  
0.3132

45.3542, 0.3319,  
0.2508

90.1788, 0.3119,  
0.3331

38.2882, 0.3384,  
0.2314

96.6567, 0.3089,  
0.3385

32.6961, 0.3454,  
0.2141

96.9331, 0.3064,  
0.3340

■ 28.4704, 0.3527,  
0.2001

■ 97.2160, 0.3039,  
0.3297

■ 25.4888, 0.3600,  
0.1902

■ 97.2613, 0.3035,  
0.3290

■ 23.6075, 0.3672,  
0.1849

■ 22.6299, 0.3739,  
0.1840

■ 22.4780, 0.3754,  
0.1841

# Harmonies

## Analogous

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



64.2840, 0.2907, 0.2809



64.2840, 0.3206, 0.2925



64.2840, 0.3496, 0.3127

# Triad

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



64.2840, 0.3206, 0.2925



64.2840, 0.3585, 0.3784



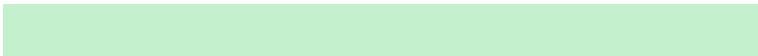
64.2840, 0.2597, 0.3163

# Complementary

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



64.2840, 0.3206, 0.2925



78.5871, 0.3057, 0.3685

# 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.



64.2840, 0.2762, 0.3450



64.2840, 0.3206, 0.2925



64.2840, 0.3329, 0.3823

# Square

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



64.2840, 0.3206, 0.2925



64.2840, 0.3719, 0.3614



64.2840, 0.3028, 0.3700



64.2840, 0.2567, 0.2930



# Rectangle

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



64.2840, 0.3206, 0.2925



64.2840, 0.3639, 0.3290



64.2840, 0.3028, 0.3700



64.2840, 0.2638, 0.3256

# Sweetspot

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



64.2868, 0.3206, 0.2925



91.9815, 0.3147, 0.3190



59.1936, 0.2888, 0.2810



19.4558, 0.3150, 0.3176



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.



64.2868, 0.3206, 0.2925



69.8388, 0.3222, 0.2859



63.1453, 0.3368, 0.3145



15.9781, 0.3166, 0.3100



12.3260, 0.3743, 0.1836



1.0383, 0.3660, 0.1790



# Inverse Universe

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



64.2868, 0.3206, 0.2925



69.8388, 0.3222, 0.2859



79.6907, 0.2934, 0.3440



15.9781, 0.3166, 0.3100



12.3260, 0.3743, 0.1836



1.0383, 0.3660, 0.1790



# Previews

## White Background



This preview shows how the Yxy color 64.2840, 0.3206, 0.2925 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

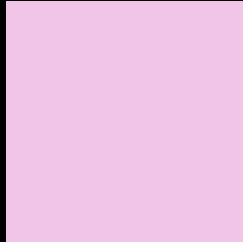
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.2840, 0.3206, 0.2925 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

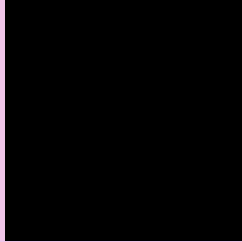
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.2840, 0.3206, 0.2925**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.2840, 0.3206, 0.2925.



This preview shows how white text looks on a background with the Yxy color 64.2840, 0.3206, 0.2925.

# 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

64.2840, 0.3206, 0.2925

### Protanopia

64.3229, 0.2899, 0.2946

### Deuteranopia

64.3274, 0.3066, 0.2996



## Tritanopia

64.3920, 0.3315, 0.3130

# Trichromacy



## Original Color

64.2840, 0.3206, 0.2925

## Protanomaly

64.1473, 0.3010, 0.2942

## Deuteranomaly

64.0368, 0.3120, 0.2968

## Tritanomaly

64.4180, 0.3278, 0.3057

# Monochromacy



## Original Color

64.2840, 0.3206, 0.2925

## Achromatopsia

67.2443, 0.3127, 0.3290

## Achromatomaly

66.0202, 0.3149, 0.3148

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.2840, 0.3206, 0.2925 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(240, 197, 232)` looks like.

```
.text, #text, p{  
    color:rgb(240, 197, 232)  
}
```

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(240, 197, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 197, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 64.2840, 0.3206, 0.2925 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(240, 197, 232) }
```

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

```
.border{ border-color:rgb(240, 197, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 197, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 197, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 197, 232);  
box-shadow:4px 4px 4px 4px rgb(240, 197,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.2840, 0.3206, 0.2925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 197, 232) }
```

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

```
.background{ background-color: rgb(240,  
197, 232) }
```

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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