

# Converting Colors

$Yxy(64.8679, 0.3239, 0.2944)$

Have a look what the booklet for  
Yxy(64.8679, 0.3239, 0.2944)  
contains.

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# Color

**Yxy(64.7567, 0.3237, 0.2937)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3C5E7
RGB	243, 197, 231
RGB Percent	95%, 77%, 91%
CMY	0.0468, 0.2275, 0.0940
CMYK	0.00, 0.19, 0.05, 0.05
HSL	316°, 66%, 86%
HSV	316°, 19%, 95%
XYZ	71.3713, 64.7567, 84.3579
YIQ	214.6300, 16.5020, 20.3260

# Conversions

## Conversions Part 2

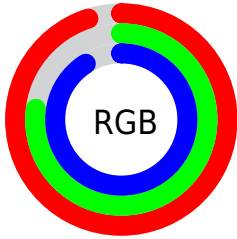
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	243, 197, 231
Decimal	15975911
CIE Lab	84.36, 21.88, -10.66
CIE LCh	84, 24.342, 334.032
Yxy	64.7567, 0.3237, 0.2937
Android (android.graphics.Color)	4294165991 (0xFFFF3C5E7)
YUV	214.6300, 8.0704, 24.8805
Hunter-Lab	80.4715, 17.4888, -5.8233

# Details

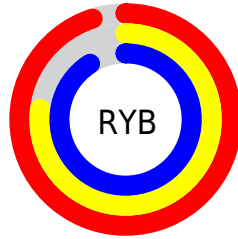
The Yxy color **64.7567, 0.3237, 0.2937** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **80.6113, 0.3033, 0.3671**, and the grayscale version is **67.6336, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3636, 0.3128, 0.3281**, and **33.1792, 0.3261, 0.2861** is the 20% darker color. If you saturate the color by 10%, you get **54.2460, 0.3309, 0.2744**, and if you desaturate by 10%, it is **77.0656, 0.3175, 0.3127**.

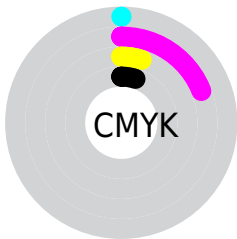
# Distribution



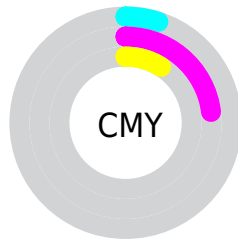
- Red (95%)
- Green (77%)
- Blue (91%)



- Red (95%)
- Yellow (77%)
- Blue (91%)



- Cyan (0%)
- Magenta (19%)
- Yellow (5%)
- Black (5%)



- Cyan (5%)
- Magenta (23%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.7567, 0.3237, 0.2937 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 64.7567, 0.3237, 0.2937 by changing the saturation by 10% instead.




 64.7567, 0.3237,  
0.2937

 64.7567, 0.3237,  
0.2937


441.9171, 0.3187,  
0.3099

 47.2638, 0.3248,  
0.2900


111.7000, 0.3220,  
0.2993

 33.2443, 0.3262,  
0.2855


141.9192, 0.3213,  
0.3015

 22.3136, 0.3278,  
0.2799


177.1493, 0.3208,  
0.3034

 14.0875, 0.3300,  
0.2725

217.7747, 0.3203,  
0.3050

 8.1816, 0.3329,  
0.2625

264.1798, 0.3198,  
0.3064

 4.2114, 0.3369,  
0.2484

316.7490, 0.3194,

 1.7925, 0.3427,

0.3077


0.2267


375.8666, 0.3191,  
0.3089

 0.4825, 0.3593,  
0.1730


 0.0000, 0.0000,  
0.0000


 64.7567, 0.3237,  
0.2937


 64.7567, 0.3237,  
0.2937


 54.2460, 0.3309,  
0.2744


 77.0656, 0.3175,  
0.3127


 45.4398, 0.3391,  
0.2554

 91.2438, 0.3122,  
0.3308

 38.2486, 0.3483,  
0.2375

 97.4929, 0.3082,  
0.3338

 32.5713, 0.3583,  
0.2218

 97.8062, 0.3054,  
0.3290

■ 28.2956, 0.3689,  
0.2093

■ 25.2933, 0.3797,  
0.2010

■ 23.4125, 0.3905,  
0.1975

■ 22.4260, 0.4008,  
0.1985

■ 22.3443, 0.4019,  
0.1988

# Harmonies

## Analogous

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



64.7567, 0.2931, 0.2810



64.7567, 0.3237, 0.2937



64.7567, 0.3525, 0.3148

# Triad

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



64.7567, 0.3237, 0.2937



64.7567, 0.3570, 0.3801



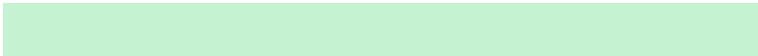
64.7567, 0.2582, 0.3134

# Complementary

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



64.7567, 0.3237, 0.2937



80.6113, 0.3033, 0.3671

# 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.



64.7567, 0.2736, 0.3424



64.7567, 0.3237, 0.2937



64.7567, 0.3303, 0.3825

# Square

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



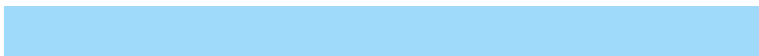
64.7567, 0.3237, 0.2937



64.7567, 0.3720, 0.3639



64.7567, 0.2998, 0.3686



64.7567, 0.2565, 0.2908



# Rectangle

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



64.7567, 0.3237, 0.2937



64.7567, 0.3662, 0.3315



64.7567, 0.2998, 0.3686



64.7567, 0.2619, 0.3228

# Sweetspot

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



64.7596, 0.3237, 0.2937



90.3690, 0.3158, 0.3181



59.8797, 0.2894, 0.2781



19.1282, 0.3162, 0.3169



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.



64.7596, 0.3237, 0.2937



67.1703, 0.3265, 0.2858



63.5672, 0.3409, 0.3169



16.6900, 0.3178, 0.3117



12.2793, 0.4003, 0.1979



1.0960, 0.3881, 0.1912



# Inverse Universe

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



64.7596, 0.3237, 0.2937



67.1703, 0.3265, 0.2858



81.8073, 0.2905, 0.3415



16.6900, 0.3178, 0.3117



12.2793, 0.4003, 0.1979



1.0960, 0.3881, 0.1912



# Previews

## White Background



This preview shows how the Yxy color 64.7567, 0.3237, 0.2937 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

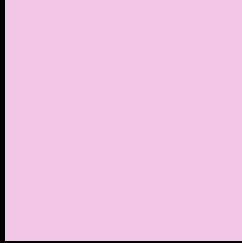
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.7567, 0.3237, 0.2937 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

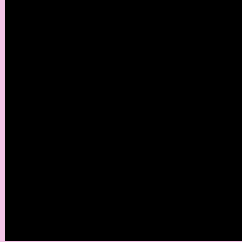
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.7567, 0.3237, 0.2937**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.7567, 0.3237, 0.2937.



This preview shows how white text looks on a background with the Yxy color 64.7567, 0.3237, 0.2937.

# 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

64.7567, 0.3237, 0.2937

### Protanopia

64.9547, 0.2907, 0.2958

### Deuteranopia

65.0638, 0.3088, 0.3019



## Tritanopia

64.9156, 0.3338, 0.3132

# Trichromacy



## Original Color

64.7567, 0.3237, 0.2937

## Protanomaly

64.7788, 0.3018, 0.2953

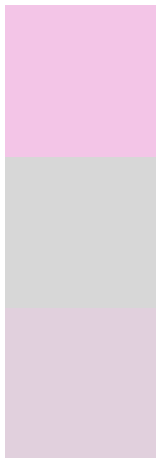
## Deuteranomaly

64.7772, 0.3141, 0.2991

## Tritanomaly

64.9446, 0.3302, 0.3059

# Monochromacy



## Original Color

64.7567, 0.3237, 0.2937

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

66.3398, 0.3164, 0.3149

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.7567, 0.3237, 0.2937 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(243, 197, 231)` looks like.

```
.text, #text, p{  
    color:rgb(243, 197, 231)  
}
```

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(243, 197, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 197, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 64.7567, 0.3237, 0.2937 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(243, 197, 231) }
```

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

```
.border{ border-color:rgb(243, 197, 231) }
```

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

Here you see how a box with a 4 pixel rgb(243, 197, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 197, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 197, 231);  
box-shadow:4px 4px 4px 4px rgb(243, 197,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.7567, 0.3237, 0.2937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 197, 231) }
```

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

```
.background{ background-color: rgb(243,  
197, 231) }
```

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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