

# Converting Colors

$Y_{xy}(65.4974, 0.3154, 0.2756)$

Have a look what the booklet for  
Yxy(65.4974, 0.3154, 0.2756)  
contains.

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# Color

**Yxy(65.7640, 0.3152, 0.2758)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8C3F8
RGB	248, 195, 248
RGB Percent	97%, 76%, 97%
CMY	0.0276, 0.2352, 0.0275
CMYK	0.00, 0.21, 0.00, 0.03
HSL	300°, 79%, 87%
HSV	300°, 21%, 97%
XYZ	75.1589, 65.7640, 97.5253
YIQ	216.8890, 14.5750, 27.7190

# Conversions

## Conversions Part 2

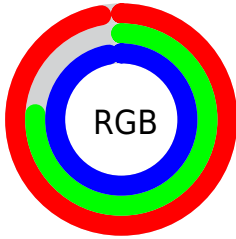
Format	Color
R <sub>Y</sub> B	248, 195, 248
Decimal	16303096
CIE Lab	84.88, 27.55, -18.87
CIE LCh	85, 33.393, 325.602
Yxy	65.7640, 0.3152, 0.2758
Android (android.graphics.Color)	4294493176 (0xFFFF8C3F8)
YUV	216.8890, 15.3377, 27.2843
Hunter-Lab	81.0950, 23.5176, -14.5360

# Details

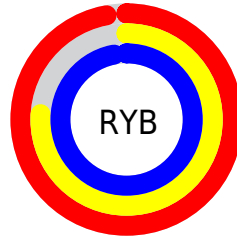
The Yxy color **65.7640, 0.3152, 0.2758** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **82.6731, 0.3099, 0.3886**, and the grayscale version is **69.1938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1008, 0.3128, 0.3261**, and **33.9319, 0.3148, 0.2636** is the 20% darker color. If you saturate the color by 10%, you get **55.5588, 0.3164, 0.2509**, and if you desaturate by 10%, it is **77.8203, 0.3140, 0.3010**.

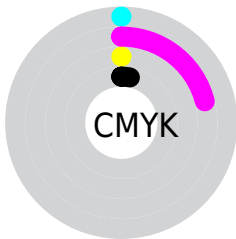
# Distribution



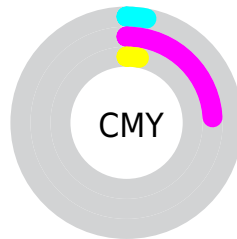
- Red (97%)
- Green (76%)
- Blue (97%)



- Red (97%)
- Yellow (76%)
- Blue (97%)



- Cyan (0%)
- Magenta (21%)
- Yellow (0%)
- Black (3%)




- Cyan (3%)
- Magenta (24%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.7640, 0.3152, 0.2758 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 65.7640, 0.3152, 0.2758 by changing the saturation by 10% instead.




 65.7640, 0.3152,  
0.2758

 65.7640, 0.3152,  
0.2758


445.5324, 0.3145,  
0.2997

 48.0808, 0.3153,  
0.2705


 113.1475, 0.3150,  
0.2840

 33.8909, 0.3153,  
0.2640


143.6167, 0.3149,  
0.2872

 22.8098, 0.3153,  
0.2560


179.1167, 0.3149,  
0.2900

 14.4531, 0.3151,  
0.2457

220.0319, 0.3148,  
0.2924

 8.4365, 0.3146,  
0.2321

266.7466, 0.3147,  
0.2946

 4.3755, 0.3135,  
0.2133


319.6454, 0.3146,


 1.8858, 0.3109,

0.2965


0.1860


379.1125, 0.3146,  
0.2982


 0.5398, 0.3070,  
0.1342


 0.0000, 0.1599,  
0.0000


 65.7640, 0.3152,  
0.2758


 65.7640, 0.3152,  
0.2758


 55.5588, 0.3164,  
0.2509


 77.8203, 0.3140,  
0.3010


 47.1052, 0.3175,  
0.2272


 91.8038, 0.3129,  
0.3257

 40.3071, 0.3185,  
0.2056


 98.2510, 0.3124,  
0.3358


 35.0560, 0.3193,  
0.1872

 98.2523, 0.3124,  
0.3358

 31.2305, 0.3200,  
0.1727


 98.2537, 0.3124,  
0.3358

 28.6910, 0.3205,  
0.1624


 98.2550, 0.3124,  
0.3358

 27.2700, 0.3207,  
0.1565

 98.2563, 0.3124,  
0.3358

 26.7164, 0.3208,  
0.1541

 98.2577, 0.3124,  
0.3358

 98.2590, 0.3124,  
0.3358

# Harmonies

## Analogous

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



65.7640, 0.2754, 0.2627



65.7640, 0.3152, 0.2758



65.7640, 0.3568, 0.3009

# Triad

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



65.7640, 0.3152, 0.2758



65.7640, 0.3804, 0.3932



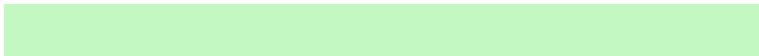
65.7640, 0.2433, 0.3175

# Complementary

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



65.7640, 0.3152, 0.2758



82.6731, 0.3099, 0.3886

# 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.



65.7640, 0.2683, 0.3584



65.7640, 0.3152, 0.2758



65.7640, 0.3471, 0.4041

# Square

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



65.7640, 0.3152, 0.2758



65.7640, 0.3957, 0.3665



65.7640, 0.3060, 0.3918



65.7640, 0.2361, 0.2837



# Rectangle

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



65.7640, 0.3152, 0.2758



65.7640, 0.3791, 0.3219



65.7640, 0.3060, 0.3918



65.7640, 0.2498, 0.3310

# Sweetspot

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



65.7669, 0.3152, 0.2758



90.6228, 0.3134, 0.3143



57.8180, 0.2767, 0.2704



19.1884, 0.3135, 0.3127



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.



65.7669, 0.3152, 0.2758



64.7425, 0.3157, 0.2641



64.2880, 0.3343, 0.3007



17.5243, 0.3138, 0.3056



14.4345, 0.3208, 0.1541



1.3370, 0.3209, 0.1541



# Inverse Universe

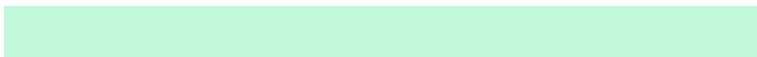
The Inverse Universe completely reimagines the original color for something new.



62.9352, 0.3560, 0.3291



61.1882, 0.3686, 0.3291



83.9301, 0.2956, 0.3591



17.2253, 0.3294, 0.3290



10.7806, 0.6400, 0.3300



0.9985, 0.6400, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 65.7640, 0.3152, 0.2758 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

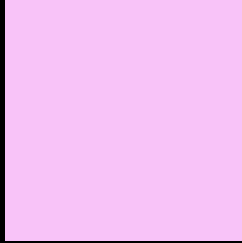
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.7640, 0.3152, 0.2758 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

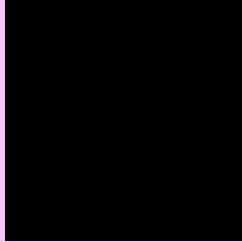
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.7640, 0.3152, 0.2758**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.7640, 0.3152, 0.2758.



This preview shows how white text looks on a background with the Yxy color 65.7640, 0.3152, 0.2758.

# 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

65.7640, 0.3152, 0.2758

### Protanopia

65.8697, 0.2783, 0.2801

### Deuteranopia

66.0312, 0.2938, 0.2871



## Tritanopia

65.9643, 0.3353, 0.3133

# Trichromacy



## Original Color

65.7640, 0.3152, 0.2758



## Protanomaly

65.7510, 0.2913, 0.2792



## Deuteranomaly

65.9213, 0.3009, 0.2828



## Tritanomaly

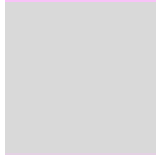
65.8608, 0.3273, 0.2990

# Monochromacy



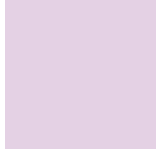
## Original Color

65.7640, 0.3152, 0.2758



## Achromatopsia

69.3872, 0.3127, 0.3290



## Achromatomaly

67.6963, 0.3137, 0.3086

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.7640, 0.3152, 0.2758 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(248, 195, 248)` looks like.

```
.text, #text, p{  
    color:rgb(248, 195, 248)  
}
```

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(248, 195, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 195, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 65.7640, 0.3152, 0.2758 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(248, 195, 248) }
```

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

```
.border{ border-color:rgb(248, 195, 248) }
```

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

Here you see how a box with a 4 pixel rgb(248, 195, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 195, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 195, 248);  
box-shadow:4px 4px 4px 4px rgb(248, 195,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.7640, 0.3152, 0.2758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 195, 248) }
```

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

```
.background{ background-color: rgb(248,  
195, 248) }
```

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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