

# Converting Colors

Yxy(64.3717, 0.3165, 0.2753)

Have a look what the booklet for  
Yxy(64.3717, 0.3165, 0.2753)  
contains.

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# Color

**Yxy(64.1273, 0.3160, 0.2745)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7C0F6
RGB	247, 192, 246
RGB Percent	97%, 75%, 96%
CMY	0.0316, 0.2469, 0.0353
CMYK	0.00, 0.22, 0.00, 0.03
HSL	301°, 77%, 86%
HSV	301°, 22%, 97%
XYZ	73.8223, 64.1273, 95.6653
YIQ	214.6010, 15.4460, 28.4540

# Conversions

## Conversions Part 2

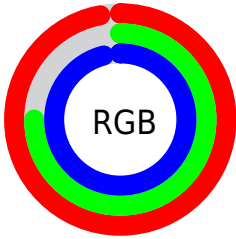
Format	Color
R <sub>Y</sub> B	247, 192, 246
Decimal	16236790
CIE Lab	84.03, 28.43, -19.09
CIE LCh	84, 34.246, 326.128
Yxy	64.1273, 0.3160, 0.2745
Android (android.graphics.Color)	4294426870 (0xFFF7C0F6)
YUV	214.6010, 15.4797, 28.4139
Hunter-Lab	80.0795, 24.4133, -14.7739

# Details

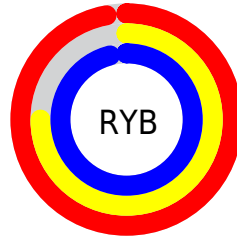
The Yxy color  $64.1273, 0.3160, 0.2745$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $81.5408, 0.3093, 0.3903$ , and the grayscale version is  $67.5560, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $96.2314, 0.3130, 0.3233$ , and  $32.8418, 0.3159, 0.2618$  is the 20% darker color. If you saturate the color by 10%, you get  $54.1521, 0.3176, 0.2500$ , and if you desaturate by 10%, it is  $75.9274, 0.3145, 0.2993$ .

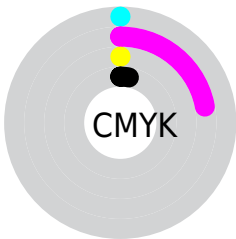
# Distribution



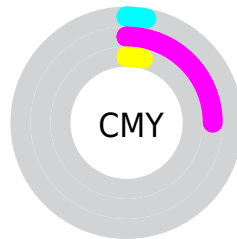
- Red (97%)
- Green (75%)
- Blue (96%)



- Red (97%)
- Yellow (75%)
- Blue (96%)



- Cyan (0%)
- Magenta (22%)
- Yellow (0%)
- Black (3%)



- Cyan (3%)
- Magenta (25%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.1273, 0.3160, 0.2745 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 64.1273, 0.3160, 0.2745 by changing the saturation by 10% instead.




 64.1273, 0.3160,  
0.2745

 64.1273, 0.3160,  
0.2745

439.6492, 0.3149,  
0.2991

 46.7538, 0.3161,  
0.2690

 110.7942, 0.3157,  
0.2829

 32.8411, 0.3163,  
0.2624


140.8565, 0.3156,  
0.2862

 22.0047, 0.3163,  
0.2540


175.9171, 0.3155,  
0.2891

 13.8604, 0.3163,  
0.2434

216.3604, 0.3153,  
0.2916

 8.0236, 0.3160,  
0.2293

262.5709, 0.3152,  
0.2938

 4.1101, 0.3151,  
0.2098


314.9329, 0.3151,


 1.7353, 0.3126,


0.2958


0.1813


373.8309, 0.3150,  
0.2975

 0.4464, 0.3112,  
0.1208


 0.0000, 0.0971,  
0.0000


 64.1273, 0.3160,  
0.2745


 64.1273, 0.3160,  
0.2745


 54.1521, 0.3176,  
0.2500


 75.9274, 0.3145,  
0.2993


 45.9028, 0.3191,  
0.2267

 89.6283, 0.3130,  
0.3237

 39.2836, 0.3206,  
0.2056

 98.0135, 0.3122,  
0.3365

 34.1861, 0.3219,  
0.1877

 98.0398, 0.3119,  
0.3361

■ 30.4888, 0.3231,  
0.1736

■ 98.0662, 0.3117,  
0.3357

■ 28.0517, 0.3241,  
0.1639

■ 98.0926, 0.3114,  
0.3353

■ 26.7058, 0.3249,  
0.1585

■ 98.1190, 0.3112,  
0.3348

■ 26.2139, 0.3253,  
0.1566

■ 98.1456, 0.3109,  
0.3344

■ 98.1722, 0.3107,  
0.3340

# Harmonies

## Analogous

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



64.1273, 0.2748, 0.2608



64.1273, 0.3160, 0.2745



64.1273, 0.3590, 0.3005

# Triad

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



64.1273, 0.3160, 0.2745



64.1273, 0.3822, 0.3957



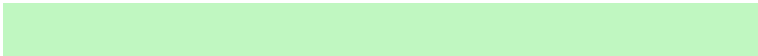
64.1273, 0.2408, 0.3163

# Complementary

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



64.1273, 0.3160, 0.2745



81.5408, 0.3093, 0.3903

# 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.



64.1273, 0.2662, 0.3587



64.1273, 0.3160, 0.2745



64.1273, 0.3475, 0.4068

# Square

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



64.1273, 0.3160, 0.2745



64.1273, 0.3984, 0.3681



64.1273, 0.3049, 0.3936



64.1273, 0.2337, 0.2816



# Rectangle

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



64.1273, 0.3160, 0.2745



64.1273, 0.3818, 0.3222



64.1273, 0.3049, 0.3936



64.1273, 0.2474, 0.3302

# Sweetspot

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



64.1301, 0.3160, 0.2745



89.1155, 0.3137, 0.3121



55.7574, 0.2756, 0.2667



18.8839, 0.3138, 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.



64.1301, 0.3160, 0.2745



63.5850, 0.3167, 0.2626



62.5688, 0.3368, 0.3014



16.7631, 0.3141, 0.3061



13.8746, 0.3253, 0.1565



1.2210, 0.3247, 0.1562



# Inverse Universe

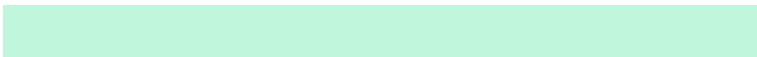
The Inverse Universe completely reimagines the original color for something new.



64.1301, 0.3160, 0.2745



63.5850, 0.3167, 0.2626



82.8799, 0.2939, 0.3584



16.7631, 0.3141, 0.3061



13.8746, 0.3253, 0.1565

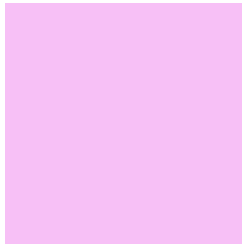


1.2210, 0.3247, 0.1562



# Previews

## White Background



This preview shows how the Yxy color 64.1273, 0.3160, 0.2745 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

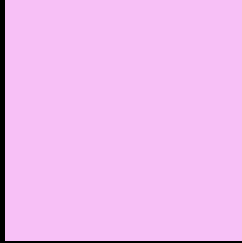
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.1273, 0.3160, 0.2745 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

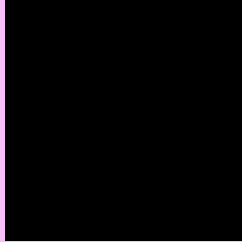
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.1273, 0.3160, 0.2745**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.1273, 0.3160, 0.2745.



This preview shows how white text looks on a background with the Yxy color 64.1273, 0.3160, 0.2745.

# 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

64.1273, 0.3160, 0.2745

### Protanopia

64.4739, 0.2762, 0.2775

### Deuteranopia

64.4904, 0.2929, 0.2867



## Tritanopia

64.0695, 0.3364, 0.3132

# Trichromacy



## Original Color

64.1273, 0.3160, 0.2745



## Protanomaly

63.8683, 0.2891, 0.2756



## Deuteranomaly

64.0699, 0.3008, 0.2814



## Tritanomaly

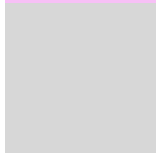
64.1492, 0.3290, 0.2988

# Monochromacy



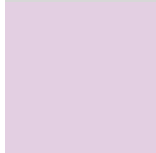
## Original Color

64.1273, 0.3160, 0.2745



## Achromatopsia

67.9542, 0.3127, 0.3290



## Achromatomaly

66.4475, 0.3144, 0.3085

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.1273, 0.3160, 0.2745 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(247, 192, 246)` looks like.

```
.text, #text, p{  
    color:rgb(247, 192, 246)  
}
```

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(247, 192, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 192, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 64.1273, 0.3160, 0.2745 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(247, 192, 246) }
```

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

```
.border{ border-color:rgb(247, 192, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 192, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 192, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 192, 246);  
box-shadow:4px 4px 4px 4px rgb(247, 192,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.1273, 0.3160, 0.2745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 192, 246) }
```

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

```
.background{ background-color: rgb(247,  
192, 246) }
```

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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