

Converting Colors

$Y_{xy}(64.1385, 0.3229, 0.2729)$

Have a look what the booklet for
Yxy(64.1385, 0.3229, 0.2729)
contains.

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Color

Yxy(64.2478, 0.3231, 0.2734)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FFBDF5 |
| RGB | 255, 189, 245 |
| RGB Percent | 100%, 74%, 96% |
| CMY | 0.0000, 0.2588, 0.0390 |
| CMYK | 0.00, 0.26, 0.04, 0.00 |
| HSL | 309°, 100%, 87% |
| HSV | 309°, 26%, 100% |
| XYZ | 75.9271, 64.2478, 94.8207 |
| YIQ | 215.1180, 21.3600, 31.4080 |

Conversions

Conversions Part 2

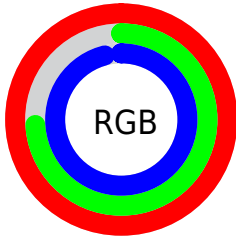
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 255, 189, 245 |
| Decimal | 16760309 |
| CIE Lab | 84.09, 32.49, -18.41 |
| CIE LCh | 84, 37.346, 330.459 |
| Yxy | 64.2478, 0.3231, 0.2734 |
| Android (android.graphics.Color) | 4294950389 (0xFFFFBDF5) |
| YUV | 215.1180, 14.7318, 34.9765 |
| Hunter-Lab | 80.1547, 28.8145, -14.0301 |

Details

The Yxy color **64.2478, 0.3231, 0.2734** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **86.4594, 0.3038, 0.3918**, and the grayscale version is **67.9274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3915, 0.3131, 0.3204**, and **33.0078, 0.3252, 0.2609** is the 20% darker color. If you saturate the color by 10%, you get **53.9934, 0.3280, 0.2518**, and if you desaturate by 10%, it is **76.4370, 0.3187, 0.2953**.

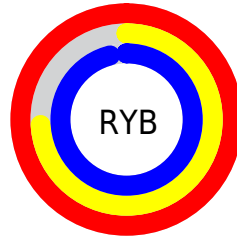
Distribution



Red (100%)

Green (74%)

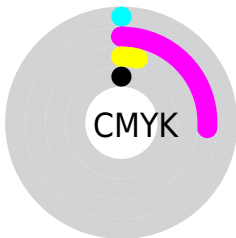
Blue (96%)



Red (100%)

Yellow (74%)

Blue (96%)

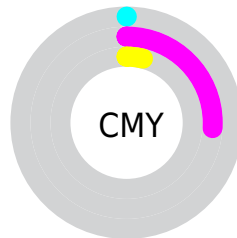


Cyan (0%)

Magenta (26%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (26%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.2478, 0.3231, 0.2734 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 64.2478, 0.3231, 0.2734 by changing the saturation by 10% instead.


 64.2478, 0.3231,
0.2734

 64.2478, 0.3231,
0.2734

440.0839, 0.3187,
0.2984

 46.8514, 0.3240,
0.2679


 110.9677, 0.3217,
0.2819

 32.9182, 0.3250,
0.2611


141.0601, 0.3211,
0.2853

 22.0638, 0.3263,
0.2527


176.1532, 0.3206,
0.2882

 13.9038, 0.3278,
0.2419

216.6314, 0.3201,
0.2908

 8.0538, 0.3296,
0.2277

262.8792, 0.3197,
0.2930

 4.1294, 0.3317,
0.2081


315.2810, 0.3194,


 1.7462, 0.3339,


0.2950


0.1796


374.2211, 0.3190,
0.2968


 0.4533, 0.3407,
0.1202


 0.0000, 0.2299,
0.0000


 64.2478, 0.3231,
0.2734


 64.2478, 0.3231,
0.2734

 53.9934, 0.3280,
0.2518


 76.4370, 0.3187,
0.2953

 45.5707, 0.3334,
0.2314

 90.6525, 0.3148,
0.3167

 38.8702, 0.3391,
0.2130

100.0000, 0.3127,
0.3290

 33.7698, 0.3450,
0.1979

■ 30.1315, 0.3509,
0.1867

■ 27.7938, 0.3566,
0.1800

■ 26.5564, 0.3619,
0.1779

■ 26.2459, 0.3641,
0.1779

Harmonies

Analogous

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



64.2478, 0.2772, 0.2564



64.2478, 0.3231, 0.2734



64.2478, 0.3692, 0.3028

Triad

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



64.2478, 0.3231, 0.2734



64.2478, 0.3836, 0.4045



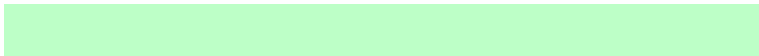
64.2478, 0.2324, 0.3085

Complementary

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



64.2478, 0.3231, 0.2734



86.4594, 0.3038, 0.3918

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.



64.2478, 0.2570, 0.3547



64.2478, 0.3231, 0.2734



64.2478, 0.3437, 0.4138

Square

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



64.2478, 0.3231, 0.2734



64.2478, 0.4051, 0.3760



64.2478, 0.2973, 0.3956



64.2478, 0.2278, 0.2732

Rectangle

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



64.2478, 0.3231, 0.2734



64.2478, 0.3924, 0.3267



64.2478, 0.2973, 0.3956



64.2478, 0.2385, 0.3234

Sweetspot

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



64.2485, 0.3231, 0.2734



87.4713, 0.3156, 0.3123



55.7411, 0.2745, 0.2560



18.2505, 0.3161, 0.3091



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.



64.2485, 0.3231, 0.2734



58.7668, 0.3256, 0.2623



62.4116, 0.3490, 0.3054



18.2505, 0.3161, 0.3091



13.7319, 0.3632, 0.1775



1.3492, 0.3576, 0.1744

Inverse Universe

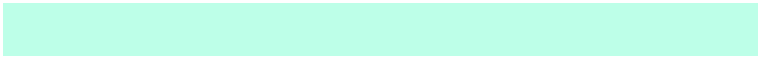
The Inverse Universe completely reimagines the original color for something new.



64.2485, 0.3231, 0.2734



58.7668, 0.3256, 0.2623



88.1586, 0.2864, 0.3541



18.2505, 0.3161, 0.3091



13.7319, 0.3632, 0.1775



1.3492, 0.3576, 0.1744

Previews

White Background



This preview shows how the Yxy color 64.2478, 0.3231, 0.2734 looks on a white background.

Color Contrast Check

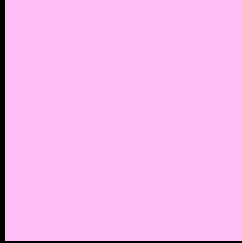
Large Text (above 18pt) WCAG AA × Fail

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 64.2478, 0.3231, 0.2734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

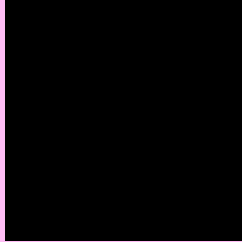
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.2478, 0.3231, 0.2734

Background



This preview shows how black text looks on a background with the Yxy color 64.2478, 0.3231, 0.2734.



This preview shows how white text looks on a background with the Yxy color 64.2478, 0.3231, 0.2734.

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

64.2478, 0.3231, 0.2734

Protanopia

64.4739, 0.2762, 0.2775

Deuteranopia

64.5205, 0.2949, 0.2888



Tritanopia

64.0074, 0.3456, 0.3135

Trichromacy



Original Color

64.2478, 0.3231, 0.2734



Protanomaly

63.7984, 0.2918, 0.2758



Deuteranomaly

64.1409, 0.3051, 0.2827



Tritanomaly

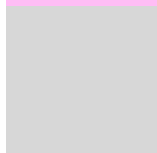
64.1631, 0.3373, 0.2983

Monochromacy



Original Color

64.2478, 0.3231, 0.2734



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

66.4566, 0.3167, 0.3076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2478, 0.3231, 0.2734 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, 189, 245)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 245)  
}
```

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, 189, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 245) }
```

Border

The CSS property to change the border of an element to Yxy 64.2478, 0.3231, 0.2734 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, 189, 245) }
```

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

```
.border{ border-color:rgb(255, 189, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 189, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 64.2478, 0.3231, 0.2734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 189, 245) }
```

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

```
.background{ background-color: rgb(255,  
189, 245) }
```

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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