

Converting Colors

$Y_{xy}(64.4974, 0.3323, 0.2874)$

Have a look what the booklet for
Yxy(64.4974, 0.3323, 0.2874)
contains.

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Color

Yxy(64.4048, 0.3321, 0.2868)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FFBFE9 |
| RGB | 255, 191, 233 |
| RGB Percent | 100%, 75%, 91% |
| CMY | 0.0000, 0.2510, 0.0863 |
| CMYK | 0.00, 0.25, 0.09, 0.00 |
| HSL | 321°, 100%, 87% |
| HSV | 321°, 25%, 100% |
| XYZ | 74.5775, 64.4048, 85.5811 |
| YIQ | 214.9240, 24.6620, 26.6300 |

Conversions

Conversions Part 2

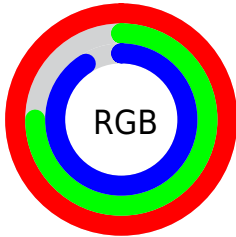
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 255, 191, 233 |
| Decimal | 16760809 |
| CIE Lab | 84.18, 29.38, -11.86 |
| CIE LCh | 84, 31.678, 338.021 |
| Yxy | 64.4048, 0.3321, 0.2868 |
| Android (android.graphics.Color) | 4294950889 (0xFFFFBFE9) |
| YUV | 214.9240, 8.9115, 35.1467 |
| Hunter-Lab | 80.2526, 25.4353, -7.0499 |

Details

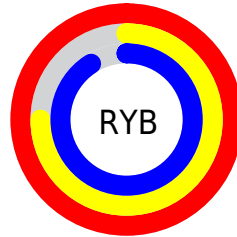
The Yxy color $64.4048, 0.3321, 0.2868$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $87.4024, 0.2975, 0.3754$, and the grayscale version is $67.8282, 0.3127, 0.3290$.

A 20% lighter version of the original color is $95.6148, 0.3130, 0.3223$, and $33.0714, 0.3373, 0.2777$ is the 20% darker color. If you saturate the color by 10%, you get $53.7472, 0.3423, 0.2695$, and if you desaturate by 10%, it is $77.0284, 0.3234, 0.3041$.

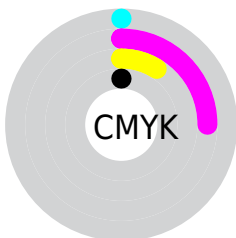
Distribution



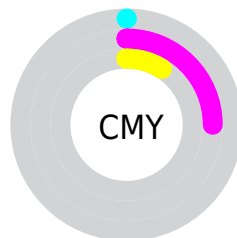
- Red (100%)
- Green (75%)
- Blue (91%)



- Red (100%)
- Yellow (75%)
- Blue (91%)



- Cyan (0%)
- Magenta (25%)
- Yellow (9%)
- Black (0%)





- Cyan (0%)
- Magenta (25%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.4048, 0.3321, 0.2868 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 64.4048, 0.3321, 0.2868 by changing the saturation by 10% instead.


 64.4048, 0.3321,
0.2868

 64.4048, 0.3321,
0.2868

440.6500, 0.3233,
0.3060

 46.9786, 0.3341,
0.2825


 111.1937, 0.3291,
0.2934

 33.0187, 0.3365,
0.2772


141.3252, 0.3279,
0.2960

 22.1408, 0.3396,
0.2705


176.4606, 0.3269,
0.2982

 13.9604, 0.3435,
0.2619

216.9843, 0.3260,
0.3002

 8.0931, 0.3488,
0.2504

263.2807, 0.3252,
0.3019

 4.1546, 0.3562,
0.2342

315.7342, 0.3245,

 1.7604, 0.3673,

0.3034

0.2098

374.7292, 0.3238,
0.3048

0.4623, 0.3938,
0.1520

0.0000, 0.4511,
0.0000

64.4048, 0.3321,
0.2868

64.4048, 0.3321,
0.2868

53.7472, 0.3423,
0.2695

77.0284, 0.3234,
0.3041

44.9474, 0.3539,
0.2527

91.7040, 0.3160,
0.3208

37.8984, 0.3670,
0.2376

100.0000, 0.3127,
0.3290

32.4786, 0.3814,
0.2252

■ 28.5512, 0.3965,
0.2167

■ 25.9566, 0.4119,
0.2129

■ 24.4981, 0.4270,
0.2144

■ 24.0605, 0.4342,
0.2166

Harmonies

Analogous

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



64.4048, 0.2919, 0.2690



64.4048, 0.3321, 0.2868



64.4048, 0.3688, 0.3144

Triad

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



64.4048, 0.3321, 0.2868



64.4048, 0.3659, 0.3971



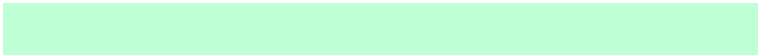
64.4048, 0.2412, 0.3034

Complementary

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



64.4048, 0.3321, 0.2868



87.4024, 0.2975, 0.3754

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.



64.4048, 0.2585, 0.3410



64.4048, 0.3321, 0.2868



64.4048, 0.3297, 0.3985

Square

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



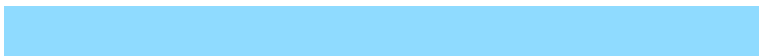
64.4048, 0.3321, 0.2868



64.4048, 0.3885, 0.3769



64.4048, 0.2904, 0.3775



64.4048, 0.2416, 0.2764

Rectangle

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



64.4048, 0.3321, 0.2868



64.4048, 0.3852, 0.3358



64.4048, 0.2904, 0.3775



64.4048, 0.2451, 0.3152

Sweetspot

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



64.4072, 0.3321, 0.2868



87.2241, 0.3180, 0.3160



58.5321, 0.2841, 0.2601



18.1880, 0.3191, 0.3135



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.



64.4072, 0.3321, 0.2868



58.9397, 0.3369, 0.2783



62.7735, 0.3572, 0.3181



18.1880, 0.3191, 0.3135



12.6013, 0.4319, 0.2153



1.2475, 0.4159, 0.2065

Inverse Universe

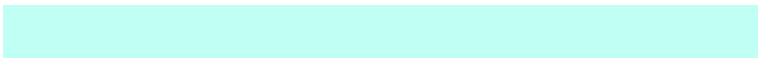
The Inverse Universe completely reimagines the original color for something new.



64.4072, 0.3321, 0.2868



58.9397, 0.3369, 0.2783



89.1493, 0.2811, 0.3403



18.1880, 0.3191, 0.3135



12.6013, 0.4319, 0.2153



1.2475, 0.4159, 0.2065

Previews

White Background



This preview shows how the Yxy color 64.4048, 0.3321, 0.2868 looks on a white background.

Color Contrast Check

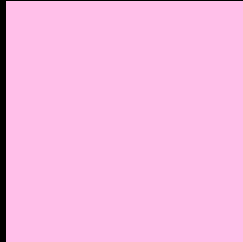
Large Text (above 18pt) WCAG AA × Fail

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 64.4048, 0.3321, 0.2868 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 64.4048, 0.3321, 0.2868

Background



This preview shows how black text looks on a background with the Yxy color 64.4048, 0.3321, 0.2868.

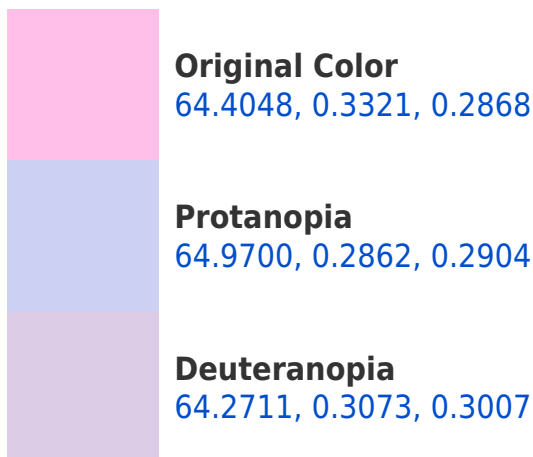


This preview shows how white text looks on a background with the Yxy color 64.4048, 0.3321, 0.2868.

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





Tritanopia

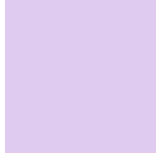
64.3788, 0.3472, 0.3136

Trichromacy



Original Color

64.4048, 0.3321, 0.2868



Protanomaly

64.2203, 0.3020, 0.2883



Deuteranomaly

63.9400, 0.3158, 0.2950



Tritanomaly

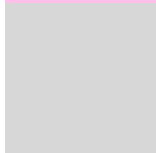
64.5282, 0.3418, 0.3045

Monochromacy



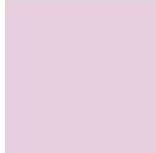
Original Color

64.4048, 0.3321, 0.2868



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

66.2395, 0.3196, 0.3118

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.4048, 0.3321, 0.2868 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, 191, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 233)  
}
```

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, 191, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 233) }
```

Border

The CSS property to change the border of an element to Yxy 64.4048, 0.3321, 0.2868 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, 191, 233) }
```

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

```
.border{ border-color:rgb(255, 191, 233) }
```

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

Here you see how a box with a 4 pixel rgb(255, 191, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 64.4048, 0.3321, 0.2868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 191, 233) }
```

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

```
.background{ background-color: rgb(255,  
191, 233) }
```

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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