

Converting Colors

$Y_{xy}(67.5624, 0.3450, 0.2913)$

Have a look what the booklet for
Yxy(67.5624, 0.3450, 0.2913)
contains.

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Color

Yxy(64.7288, 0.3335, 0.2897)

Conversions

Conversions Part 1

Format	Color
Hex	FFC0E7
RGB	255, 192, 231
RGB Percent	100%, 75%, 91%
CMY	0.0000, 0.2470, 0.0940
CMYK	0.00, 0.25, 0.09, 0.00
HSL	323°, 100%, 88%
HSV	323°, 25%, 100%
XYZ	74.5152, 64.7288, 84.1899
YIQ	215.2830, 25.0290, 25.4850

Conversions

Conversions Part 2

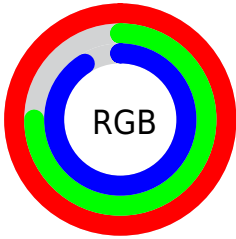
Format	Color
R _Y B	255, 192, 231
Decimal	16761063
CIE Lab	84.34, 28.52, -10.56
CIE LCh	84, 30.416, 339.682
Yxy	64.7288, 0.3335, 0.2897
Android (android.graphics.Color)	4294951143 (0xFFFFC0E7)
YUV	215.2830, 7.7485, 34.8318
Hunter-Lab	80.4542, 24.5285, -5.7250

Details

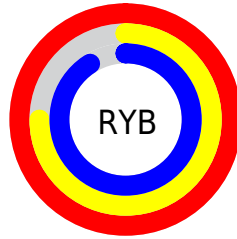
The Yxy color $64.7288, 0.3335, 0.2897$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $87.6803, 0.2964, 0.3719$, and the grayscale version is $68.0930, 0.3127, 0.3290$.

A 20% lighter version of the original color is $96.2314, 0.3130, 0.3233$, and $33.2779, 0.3392, 0.2814$ is the 20% darker color. If you saturate the color by 10%, you get $53.9536, 0.3447, 0.2732$, and if you desaturate by 10%, it is $77.4800, 0.3240, 0.3061$.

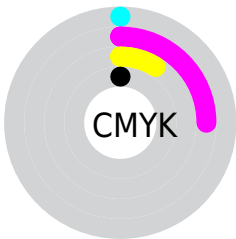
Distribution



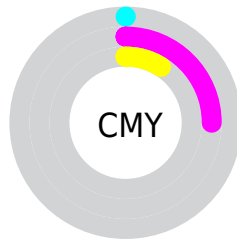
- Red (100%)
- Green (75%)
- Blue (91%)



- 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 64.7288, 0.3335, 0.2897 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 64.7288, 0.3335, 0.2897 by changing the saturation by 10% instead.


 64.7288, 0.3335,
0.2897

 64.7288, 0.3335,
0.2897


441.8168, 0.3240,
0.3076

 47.2412, 0.3357,
0.2857

 111.6599, 0.3302,
0.2959

 33.2264, 0.3383,
0.2807


141.8721, 0.3289,
0.2983

 22.2999, 0.3416,
0.2745


177.0947, 0.3278,
0.3004

 14.0774, 0.3460,
0.2664

217.7121, 0.3269,
0.3022

 8.1745, 0.3518,
0.2555

264.1086, 0.3260,
0.3038

 4.2068, 0.3601,
0.2402

316.6686, 0.3253,

 1.7899, 0.3728,

0.3052

0.2170

375.7765, 0.3246,
0.3065

0.4809, 0.4021,
0.1620

0.0000, 0.6413,
0.0000

64.7288, 0.3335,
0.2897

64.7288, 0.3335,
0.2897

53.9536, 0.3447,
0.2732

77.4800, 0.3240,
0.3061

45.0453, 0.3575,
0.2573

92.2919, 0.3160,
0.3219

37.8972, 0.3722,
0.2428

99.9991, 0.3127,
0.3290

32.3884, 0.3882,
0.2310

■ 28.3825, 0.4054,
0.2230

■ 25.7210, 0.4229,
0.2198

■ 24.2089, 0.4402,
0.2220

■ 23.7272, 0.4491,
0.2248

Harmonies

Analogous

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



64.7288, 0.2948, 0.2719



64.7288, 0.3335, 0.2897



64.7288, 0.3681, 0.3167

Triad

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



64.7288, 0.3335, 0.2897



64.7288, 0.3622, 0.3949



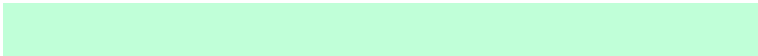
64.7288, 0.2436, 0.3028

Complementary

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



64.7288, 0.3335, 0.2897



87.6803, 0.2964, 0.3719

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.



64.7288, 0.2593, 0.3385



64.7288, 0.3335, 0.2897



64.7288, 0.3270, 0.3949

Square

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



64.7288, 0.3335, 0.2897



64.7288, 0.3847, 0.3765



64.7288, 0.2895, 0.3737



64.7288, 0.2449, 0.2775

Rectangle

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



64.7288, 0.3335, 0.2897



64.7288, 0.3831, 0.3374



64.7288, 0.2895, 0.3737



64.7288, 0.2470, 0.3139

Sweetspot

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



64.7317, 0.3335, 0.2897



88.7056, 0.3177, 0.3183



59.3834, 0.2862, 0.2616



18.7887, 0.3182, 0.3174



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.



64.7317, 0.3335, 0.2897



58.7854, 0.3392, 0.2809



63.1494, 0.3580, 0.3204



18.1763, 0.3197, 0.3144



12.4285, 0.4464, 0.2233



1.2314, 0.4282, 0.2133

Inverse Universe

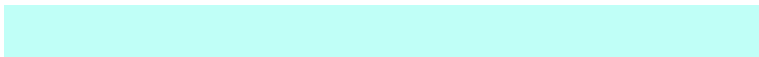
The Inverse Universe completely reimagines the original color for something new.



64.7317, 0.3335, 0.2897



58.7854, 0.3392, 0.2809



89.4146, 0.2805, 0.3379



18.1763, 0.3197, 0.3144



12.4285, 0.4464, 0.2233



1.2314, 0.4282, 0.2133

Previews

White Background



This preview shows how the Yxy color 64.7288, 0.3335, 0.2897 looks on a white background.

Color Contrast Check

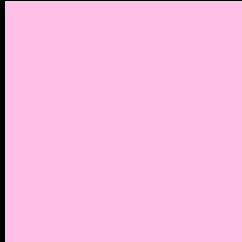
Large Text (above 18pt) WCAG AA × Fail

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 64.7288, 0.3335, 0.2897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

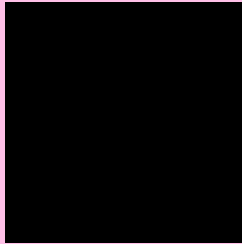
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.7288, 0.3335, 0.2897

Background



This preview shows how black text looks on a background with the Yxy color 64.7288, 0.3335, 0.2897.



This preview shows how white text looks on a background with the Yxy color 64.7288, 0.3335, 0.2897.

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

64.7288, 0.3335, 0.2897

Protanopia

64.9909, 0.2881, 0.2925

Deuteranopia

65.0078, 0.3095, 0.3029



Tritanopia

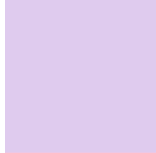
64.8785, 0.3463, 0.3136

Trichromacy



Original Color

64.7288, 0.3335, 0.2897



Protanomaly

64.5729, 0.3033, 0.2914



Deuteranomaly

64.6839, 0.3180, 0.2973



Tritanomaly

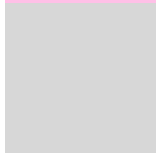
64.9748, 0.3417, 0.3055

Monochromacy



Original Color

64.7288, 0.3335, 0.2897



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

66.6691, 0.3202, 0.3139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.7288, 0.3335, 0.2897 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, 192, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 192, 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(255, 192, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 192, 231) }
```

Border

The CSS property to change the border of an element to Yxy 64.7288, 0.3335, 0.2897 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, 192, 231) }
```

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

```
.border{ border-color:rgb(255, 192, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 192, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 192, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 192, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 192,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 64.7288, 0.3335, 0.2897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 192, 231) }
```

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

```
.background{ background-color: rgb(255,  
192, 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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