

Converting Colors

$Y_{xy}(63.8890, 0.3409, 0.2981)$

Have a look what the booklet for
Yxy(63.8890, 0.3409, 0.2981)
contains.

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Color

Yxy(63.7955, 0.3407, 0.2975)

Conversions

Conversions Part 1

Format	Color
Hex	FFBFDE
RGB	255, 191, 222
RGB Percent	100%, 75%, 87%
CMY	0.0000, 0.2510, 0.1293
CMYK	0.00, 0.25, 0.13, 0.00
HSL	331°, 100%, 87%
HSV	331°, 25%, 100%
XYZ	73.0592, 63.7955, 77.5839
YIQ	213.6700, 28.1930, 23.2090

Conversions

Conversions Part 2

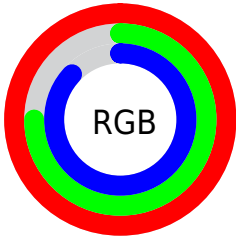
Format	Color
R _Y B	255, 191, 222
Decimal	16760798
CIE Lab	83.86, 27.59, -6.46
CIE LCh	84, 28.337, 346.814
Yxy	63.7955, 0.3407, 0.2975
Android (android.graphics.Color)	4294950878 (0xFFFFBFDE)
YUV	213.6700, 4.1067, 36.2464
Hunter-Lab	79.8721, 23.4984, -1.6810

Details

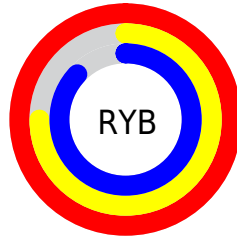
The Yxy color **63.7955, 0.3407, 0.2975** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **87.9773, 0.2916, 0.3629**, and the grayscale version is **66.9707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6148, 0.3130, 0.3223**, and **32.6871, 0.3479, 0.2900** is the 20% darker color. If you saturate the color by 10%, you get **52.9489, 0.3560, 0.2844**, and if you desaturate by 10%, it is **76.6364, 0.3279, 0.3105**.

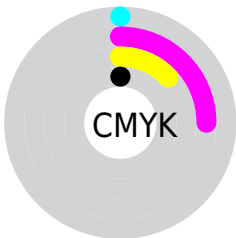
Distribution



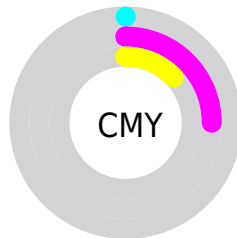
- Red (100%)
- Green (75%)
- Blue (87%)



- Red (100%)
- Yellow (75%)
- Blue (87%)



- Cyan (0%)
- Magenta (25%)
- Yellow (13%)
- Black (0%)





- Cyan (0%)
- Magenta (25%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.7955, 0.3407, 0.2975 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 63.7955, 0.3407, 0.2975 by changing the saturation by 10% instead.


 63.7955, 0.3407,
0.2975

 63.7955, 0.3407,
0.2975


438.4508, 0.3276,
0.3121

 46.4851, 0.3437,
0.2942

 110.3164, 0.3361,
0.3025

 32.6288, 0.3475,
0.2901


140.2956, 0.3344,
0.3045

 21.8422, 0.3522,
0.2849


175.2665, 0.3329,
0.3062

 13.7410, 0.3585,
0.2781

215.6136, 0.3315,
0.3077

 7.9407, 0.3672,
0.2689

261.7211, 0.3304,
0.3090

 4.0571, 0.3798,
0.2556


313.9736, 0.3294,


 1.7055, 0.4001,


0.3101


0.2350


372.7553, 0.3284,
0.3111


 0.4272, 0.4506,
0.1746


 0.0000, 1.0000,
0.0000


 63.7955, 0.3407,
0.2975


 63.7955, 0.3407,
0.2975

 52.9489, 0.3560,
0.2844


 76.6364, 0.3279,
0.3105

 43.9902, 0.3740,
0.2717

 91.5610, 0.3174,
0.3229

 36.8102, 0.3948,
0.2604

100.0000, 0.3127,
0.3290

 31.2868, 0.4183,
0.2516

■ 27.2819, 0.4436,
0.2466

■ 24.6349, 0.4696,
0.2466

■ 23.1480, 0.4948,
0.2523

■ 22.7050, 0.5067,
0.2565

Harmonies

Analogous

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



63.7955, 0.3044, 0.2783



63.7955, 0.3407, 0.2975



63.7955, 0.3704, 0.3244

Triad

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



63.7955, 0.3407, 0.2975



63.7955, 0.3521, 0.3924



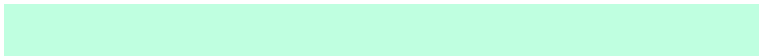
63.7955, 0.2465, 0.2978

Complementary

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



63.7955, 0.3407, 0.2975



87.9773, 0.2916, 0.3629

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.



63.7955, 0.2577, 0.3296



63.7955, 0.3407, 0.2975



63.7955, 0.3177, 0.3875

Square

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



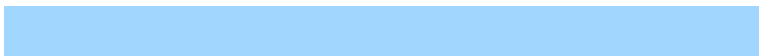
63.7955, 0.3407, 0.2975



63.7955, 0.3767, 0.3790



63.7955, 0.2833, 0.3637



63.7955, 0.2517, 0.2771

Rectangle

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



63.7955, 0.3407, 0.2975



63.7955, 0.3815, 0.3441



63.7955, 0.2833, 0.3637



63.7955, 0.2485, 0.3075

Sweetspot

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



63.7971, 0.3407, 0.2975



87.0092, 0.3202, 0.3194



60.1701, 0.2918, 0.2616



18.1338, 0.3218, 0.3175



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.



63.7971, 0.3407, 0.2975



58.2362, 0.3478, 0.2911



62.2837, 0.3661, 0.3292



18.1338, 0.3218, 0.3175



11.8938, 0.5029, 0.2544



1.1800, 0.4767, 0.2400

Inverse Universe

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



63.7971, 0.3407, 0.2975



58.2362, 0.3478, 0.2911



89.8165, 0.2757, 0.3289



18.1338, 0.3218, 0.3175



11.8938, 0.5029, 0.2544



1.1800, 0.4767, 0.2400

Previews

White Background



This preview shows how the Yxy color 63.7955, 0.3407, 0.2975 looks on a white background.

Color Contrast Check

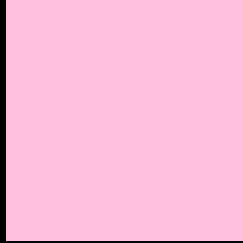
Large Text (above 18pt) WCAG AA × Fail

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 63.7955, 0.3407, 0.2975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

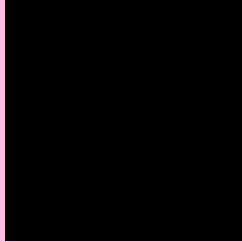
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.7955, 0.3407, 0.2975

Background



This preview shows how black text looks on a background with the Yxy color 63.7955, 0.3407, 0.2975.



This preview shows how white text looks on a background with the Yxy color 63.7955, 0.3407, 0.2975.

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

63.7955, 0.3407, 0.2975

Protanopia

64.1168, 0.2945, 0.3010

Deuteranopia

63.8867, 0.3174, 0.3104



Tritanopia

63.5766, 0.3500, 0.3136

Trichromacy



Original Color

63.7955, 0.3407, 0.2975



Protanomaly

63.7455, 0.3103, 0.2997



Deuteranomaly

63.9002, 0.3255, 0.3056



Tritanomaly

63.5742, 0.3470, 0.3075

Monochromacy



Original Color

63.7955, 0.3407, 0.2975



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

65.8104, 0.3224, 0.3171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.7955, 0.3407, 0.2975 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, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 222)  
}
```

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, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 222) }
```

Border

The CSS property to change the border of an element to Yxy 63.7955, 0.3407, 0.2975 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, 222) }
```

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

```
.border{ border-color:rgb(255, 191, 222) }
```

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, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
222) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 63.7955, 0.3407, 0.2975$ 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, 222) }
```

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

```
.background{ background-color: rgb(255,  
191, 222) }
```

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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