

Converting Colors

$Y_{xy}(83.7587, 0.4003, 0.2974)$

Have a look what the booklet for
Yxy(83.7587, 0.4003, 0.2974)
contains.

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Color

Yxy(63.8001, 0.3345, 0.2887)

Conversions

Conversions Part 1

Format	Color
Hex	FFBEE6
RGB	255, 190, 230
RGB Percent	100%, 75%, 90%
CMY	0.0002, 0.2548, 0.0981
CMYK	0.00, 0.25, 0.10, 0.00
HSL	323°, 100%, 87%
HSV	323°, 25%, 100%
XYZ	73.9215, 63.8001, 83.2694
YIQ	213.9950, 25.9000, 26.2200

Conversions

Conversions Part 2

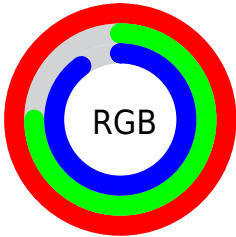
Format	Color
R _Y B	255, 190, 230
Decimal	16760550
CIE _{Lab}	83.86, 29.37, -10.72
CIE _{LCh}	84, 31.270, 339.949
Yxy	63.8001, 0.3345, 0.2887
Android (android.graphics.Color)	4294950630 (0xFFFFBEE6)
YUV	213.9950, 7.8905, 35.9614
Hunter-Lab	79.8750, 25.4143, -5.8972

Details

The Yxy color $63.8001, 0.3345, 0.2887$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $87.3473, 0.2958, 0.3731$, and the grayscale version is $67.1746, 0.3127, 0.3290$.

A 20% lighter version of the original color is $95.0015, 0.3131, 0.3214$, and $32.6701, 0.3406, 0.2800$ is the 20% darker color. If you saturate the color by 10%, you get $53.1704, 0.3459, 0.2723$, and if you desaturate by 10%, it is $76.3983, 0.3248, 0.3050$.

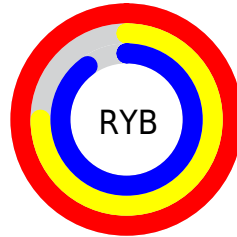
Distribution



Red (100%)

Green (75%)

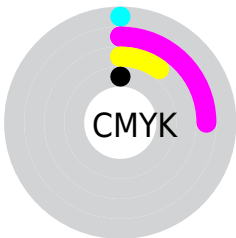
Blue (90%)



Red (100%)

Yellow (75%)

Blue (90%)

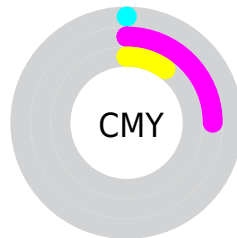


Cyan (0%)

Magenta (25%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (25%)

Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.8001, 0.3345, 0.2887 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 63.8001, 0.3345, 0.2887 by changing the saturation by 10% instead.


 63.8001, 0.3345,
0.2887

 63.8001, 0.3345,
0.2887


438.4674, 0.3245,
0.3071

 46.4888, 0.3368,
0.2845

 110.3230, 0.3310,
0.2951

 32.6317, 0.3396,
0.2794


140.3034, 0.3297,
0.2975

 21.8445, 0.3431,
0.2730

175.2756, 0.3285,
0.2997

 13.7427, 0.3477,
0.2647

215.6239, 0.3275,
0.3016

 7.9419, 0.3538,
0.2535

261.7329, 0.3266,
0.3032

 4.0578, 0.3626,
0.2376

313.9869, 0.3258,

 1.7059, 0.3762,

0.3047

0.2136

372.7703, 0.3251,
0.3060

0.4275, 0.4098,
0.1515

0.0000, 0.8808,
0.0000

63.8001, 0.3345,
0.2887

63.8001, 0.3345,
0.2887

53.1704, 0.3459,
0.2723

76.3983, 0.3248,
0.3050

44.3994, 0.3591,
0.2566

91.0501, 0.3166,
0.3207

37.3798, 0.3740,
0.2424

99.9911, 0.3127,
0.3290

31.9897, 0.3904,
0.2309

■ 28.0913, 0.4078,
0.2233

■ 25.5240, 0.4256,
0.2206

■ 24.0892, 0.4431,
0.2232

■ 23.6822, 0.4508,
0.2257

Harmonies

Analogous

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



63.8001, 0.2946, 0.2703



63.8001, 0.3345, 0.2887



63.8001, 0.3702, 0.3166

Triad

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



63.8001, 0.3345, 0.2887



63.8001, 0.3634, 0.3972



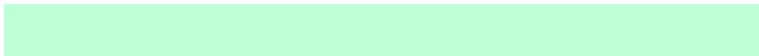
63.8001, 0.2413, 0.3015

Complementary

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



63.8001, 0.3345, 0.2887



87.3473, 0.2958, 0.3731

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.



63.8001, 0.2574, 0.3384



63.8001, 0.3345, 0.2887



63.8001, 0.3271, 0.3971

Square

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



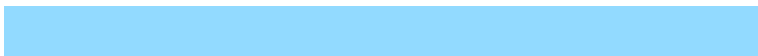
63.8001, 0.3345, 0.2887



63.8001, 0.3869, 0.3781



63.8001, 0.2883, 0.3750



63.8001, 0.2429, 0.2756

Rectangle

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



63.8001, 0.3345, 0.2887



63.8001, 0.3856, 0.3378



63.8001, 0.2883, 0.3750



63.8001, 0.2448, 0.3130

Sweetspot

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



63.8030, 0.3345, 0.2887



87.1728, 0.3185, 0.3168



58.4910, 0.2860, 0.2595



18.1750, 0.3197, 0.3145



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.



63.8030, 0.3345, 0.2887



57.7054, 0.3406, 0.2796



62.1496, 0.3608, 0.3213



18.1750, 0.3197, 0.3145



12.4097, 0.4481, 0.2242



1.2297, 0.4296, 0.2140

Inverse Universe

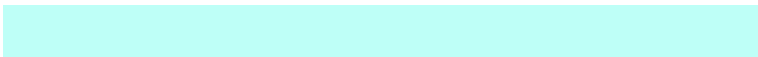
The Inverse Universe completely reimagines the original color for something new.



63.8030, 0.3345, 0.2887



57.7054, 0.3406, 0.2796



89.1799, 0.2790, 0.3370



18.1750, 0.3197, 0.3145



12.4097, 0.4481, 0.2242



1.2297, 0.4296, 0.2140

Previews

White Background



This preview shows how the Yxy color 63.8001, 0.3345, 0.2887 looks on a white background.

Color Contrast Check

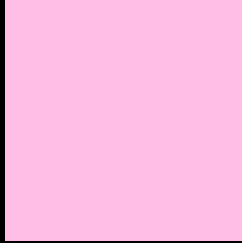
Large Text (above 18pt) WCAG AA × Fail

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 63.8001, 0.3345, 0.2887 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 63.8001, 0.3345, 0.2887

Background



This preview shows how black text looks on a background with the Yxy color 63.8001, 0.3345, 0.2887.

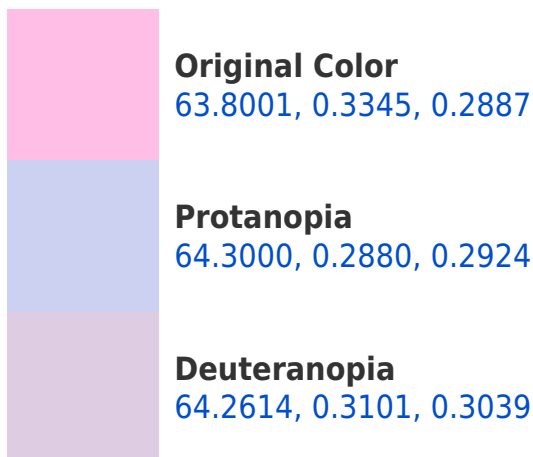


This preview shows how white text looks on a background with the Yxy color 63.8001, 0.3345, 0.2887.

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

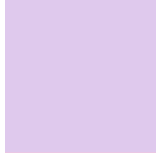
63.8825, 0.3482, 0.3135

Trichromacy



Original Color

63.8001, 0.3345, 0.2887



Protanomaly

63.5757, 0.3040, 0.2902



Deuteranomaly

63.9407, 0.3188, 0.2982



Tritanomaly

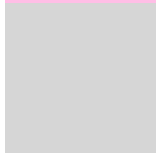
64.0323, 0.3428, 0.3044

Monochromacy



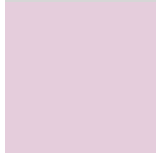
Original Color

63.8001, 0.3345, 0.2887



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

65.4880, 0.3203, 0.3128

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8001, 0.3345, 0.2887 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, 190, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 190, 230)  
}
```

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, 190, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 190, 230) }
```

Border

The CSS property to change the border of an element to Yxy 63.8001, 0.3345, 0.2887 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, 190, 230) }
```

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

```
.border{ border-color:rgb(255, 190, 230) }
```

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

Here you see how a box with a 4 pixel rgb(255, 190, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 190, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 190, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 190,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8001, 0.3345, 0.2887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 190, 230) }
```

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

```
.background{ background-color: rgb(255,  
190, 230) }
```

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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