

Converting Colors

$Y_{xy}(63.3220, 0.3341, 0.2867)$

Have a look what the booklet for
Yxy(63.3220, 0.3341, 0.2867)
contains.

Yxy(63.4247, 0.3339, 0.2867)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.4247, 0.3339, 0.2867)

Conversions

Conversions Part 1

Format	Color
Hex	FFBDE7
RGB	255, 189, 231
RGB Percent	100%, 74%, 91%
CMY	0.0000, 0.2588, 0.0942
CMYK	0.00, 0.26, 0.09, 0.00
HSL	322°, 100%, 87%
HSV	322°, 26%, 100%
XYZ	73.8664, 63.4247, 83.9321
YIQ	213.5220, 25.8540, 27.0540

Conversions

Conversions Part 2

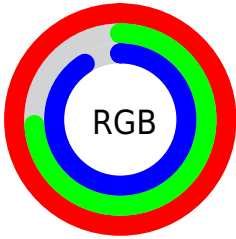
Format	Color
R _Y B	255, 189, 231
Decimal	16760295
CIE Lab	83.67, 30.11, -11.54
CIE LCh	84, 32.244, 339.022
Yxy	63.4247, 0.3339, 0.2867
Android (android.graphics.Color)	4294950375 (0xFFFFBDE7)
YUV	213.5220, 8.6167, 36.3762
Hunter-Lab	79.6396, 26.1909, -6.7379

Details

The Yxy color $63.4247, 0.3339, 0.2867$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $87.1435, 0.2963, 0.3755$, and the grayscale version is $66.8313, 0.3127, 0.3290$.

A 20% lighter version of the original color is $94.3915, 0.3131, 0.3204$, and $32.4289, 0.3397, 0.2775$ is the 20% darker color. If you saturate the color by 10%, you get $52.8887, 0.3447, 0.2698$, and if you desaturate by 10%, it is $75.9115, 0.3246, 0.3035$.

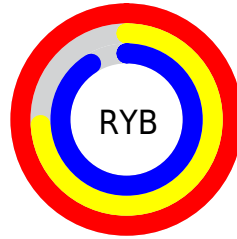
Distribution



Red (100%)

Green (74%)

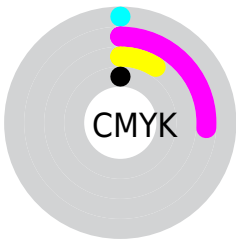
Blue (91%)



Red (100%)

Yellow (74%)

Blue (91%)

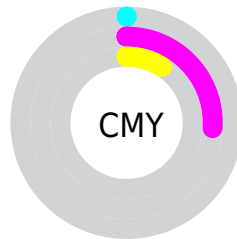


Cyan (0%)

Magenta (26%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (26%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.4247, 0.3339, 0.2867 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 63.4247, 0.3339, 0.2867 by changing the saturation by 10% instead.


 63.4247, 0.3339,
0.2867

 63.4247, 0.3339,
0.2867

437.1092, 0.3242,
0.3060

 46.1849, 0.3361,
0.2823

 109.7820, 0.3306,
0.2934

 32.3917, 0.3388,
0.2770


139.6682, 0.3293,
0.2960

 21.6609, 0.3422,
0.2703


174.5388, 0.3281,
0.2982

 13.6079, 0.3466,
0.2616

214.7780, 0.3271,
0.3002

 7.8485, 0.3525,
0.2499

260.7702, 0.3263,
0.3019

 3.9982, 0.3609,
0.2334

312.8999, 0.3255,

 1.6725, 0.3736,

0.3034

0.2085

371.5514, 0.3248,
0.3048

0.4058, 0.4064,
0.1431

0.0000, 0.6114,
0.0000

63.4247, 0.3339,
0.2867

63.4247, 0.3339,
0.2867

52.8887, 0.3447,
0.2698

75.9115, 0.3246,
0.3035

44.2104, 0.3572,
0.2537

90.4514, 0.3167,
0.3198

37.2763, 0.3713,
0.2391

100.0000, 0.3127,
0.3290

31.9642, 0.3867,
0.2274

■ 28.1354, 0.4030,
0.2195

■ 25.6281, 0.4196,
0.2166

■ 24.2414, 0.4358,
0.2190

■ 23.8753, 0.4423,
0.2210

Harmonies

Analogous

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



63.4247, 0.2927, 0.2681



63.4247, 0.3339, 0.2867



63.4247, 0.3712, 0.3151

Triad

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



63.4247, 0.3339, 0.2867



63.4247, 0.3660, 0.3990



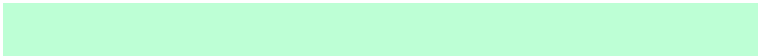
63.4247, 0.2394, 0.3016

Complementary

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



63.4247, 0.3339, 0.2867



87.1435, 0.2963, 0.3755

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.



63.4247, 0.2564, 0.3399



63.4247, 0.3339, 0.2867



63.4247, 0.3287, 0.3999

Square

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



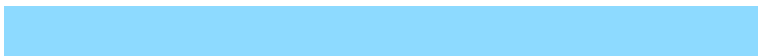
63.4247, 0.3339, 0.2867



63.4247, 0.3898, 0.3788



63.4247, 0.2886, 0.3776



63.4247, 0.2404, 0.2745

Rectangle

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



63.4247, 0.3339, 0.2867



63.4247, 0.3875, 0.3369



63.4247, 0.2886, 0.3776



63.4247, 0.2431, 0.3135

Sweetspot

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



63.4219, 0.3339, 0.2867



87.1988, 0.3183, 0.3164



57.6253, 0.2839, 0.2579



18.1816, 0.3194, 0.3140



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.



63.4219, 0.3339, 0.2867



57.7946, 0.3392, 0.2780



61.7724, 0.3600, 0.3189



18.1816, 0.3194, 0.3140



12.5050, 0.4398, 0.2196



1.2386, 0.4226, 0.2102

Inverse Universe

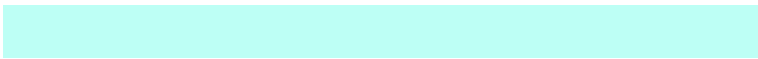
The Inverse Universe completely reimagines the original color for something new.



63.4219, 0.3339, 0.2867



57.7946, 0.3392, 0.2780



88.9370, 0.2796, 0.3395



18.1816, 0.3194, 0.3140



12.5050, 0.4398, 0.2196



1.2386, 0.4226, 0.2102

Previews

White Background



This preview shows how the Yxy color 63.4247, 0.3339, 0.2867 looks on a white background.

Color Contrast Check

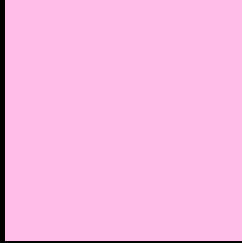
Large Text (above 18pt) WCAG AA × Fail

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 63.4247, 0.3339, 0.2867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

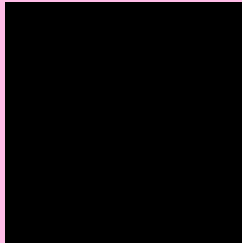
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.4247, 0.3339, 0.2867

Background



This preview shows how black text looks on a background with the Yxy color 63.4247, 0.3339, 0.2867.



This preview shows how white text looks on a background with the Yxy color 63.4247, 0.3339, 0.2867.

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

63.4247, 0.3339, 0.2867

Protanopia

63.6533, 0.2853, 0.2890

Deuteranopia

63.5290, 0.3080, 0.3016



Tritanopia

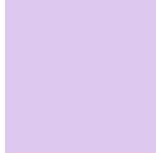
63.3894, 0.3492, 0.3135

Trichromacy



Original Color

63.4247, 0.3339, 0.2867



Protanomaly

62.9127, 0.3012, 0.2869



Deuteranomaly

63.3689, 0.3173, 0.2960



Tritanomaly

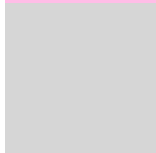
63.5398, 0.3437, 0.3044

Monochromacy



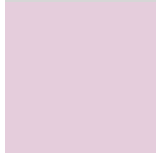
Original Color

63.4247, 0.3339, 0.2867



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 63.4247, 0.3339, 0.2867 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, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 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, 189, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 231) }
```

Border

The CSS property to change the border of an element to Yxy 63.4247, 0.3339, 0.2867 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, 231) }
```

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

```
.border{ border-color:rgb(255, 189, 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, 189, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
231) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 63.4247, 0.3339, 0.2867$ 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, 231) }
```

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

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