

Converting Colors

$Y_{xy}(63.8681, 0.3412, 0.2985)$

Have a look what the booklet for
Yxy(63.8681, 0.3412, 0.2985)
contains.

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Color

Yxy(63.7421, 0.3415, 0.2985)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FFBFDD |
| RGB | 255, 191, 221 |
| RGB Percent | 100%, 75%, 87% |
| CMY | 0.0000, 0.2510, 0.1333 |
| CMYK | 0.00, 0.25, 0.13, 0.00 |
| HSL | 332°, 100%, 87% |
| HSV | 332°, 25%, 100% |
| XYZ | 72.9244, 63.7421, 76.8749 |
| YIQ | 213.5560, 28.5140, 22.8980 |

Conversions

Conversions Part 2

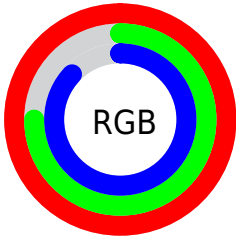
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 255, 191, 221 |
| Decimal | 16760797 |
| CIE Lab | 83.83, 27.43, -5.97 |
| CIE LCh | 84, 28.070, 347.728 |
| Yxy | 63.7421, 0.3415, 0.2985 |
| Android (android.graphics.Color) | 4294950877 (0xFFFFBFDD) |
| YUV | 213.5560, 3.6699, 36.3464 |
| Hunter-Lab | 79.8386, 23.3237, -1.2020 |

Details

The Yxy color $63.7421, 0.3415, 0.2985$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $88.0324, 0.2911, 0.3617$, and the grayscale version is $66.8932, 0.3127, 0.3290$.

A 20% lighter version of the original color is $95.6148, 0.3130, 0.3223$, and $32.6503, 0.3490, 0.2913$ is the 20% darker color. If you saturate the color by 10%, you get $52.8801, 0.3572, 0.2858$, and if you desaturate by 10%, it is $76.6023, 0.3284, 0.3111$.

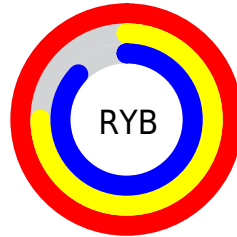
Distribution



Red (100%)

Green (75%)

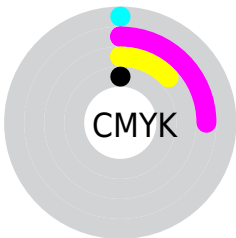
Blue (87%)



Red (100%)

Yellow (75%)

Blue (87%)

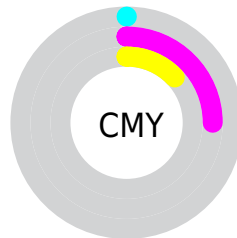


Cyan (0%)

Magenta (25%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (25%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.7421, 0.3415, 0.2985 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 63.7421, 0.3415, 0.2985 by changing the saturation by 10% instead.


 63.7421, 0.3415,
0.2985

 63.7421, 0.3415,
0.2985


438.2577, 0.3280,
0.3126

 46.4418, 0.3446,
0.2953


 110.2394, 0.3368,
0.3034

 32.5946, 0.3485,
0.2913


140.2053, 0.3350,
0.3053

 21.8161, 0.3534,
0.2862


175.1618, 0.3334,
0.3069

 13.7218, 0.3599,
0.2796

215.4933, 0.3321,
0.3084

 7.9274, 0.3689,
0.2706

261.5843, 0.3309,
0.3096

 4.0486, 0.3821,
0.2577

313.8191, 0.3298,

 1.7008, 0.4031,

0.3107

0.2375

372.5821, 0.3289,
0.3117

0.4241, 0.4565,
0.1769

0.0000, 1.0000,
0.0000

63.7421, 0.3415,
0.2985

63.7421, 0.3415,
0.2985

52.8801, 0.3572,
0.2858

76.6023, 0.3284,
0.3111

43.9088, 0.3759,
0.2735

91.5493, 0.3175,
0.3231

36.7195, 0.3975,
0.2626

100.0000, 0.3127,
0.3290

31.1895, 0.4218,
0.2541

■ 27.1809, 0.4481,
0.2495

■ 24.5328, 0.4752,
0.2499

■ 23.0473, 0.5013,
0.2558

■ 22.6058, 0.5135,
0.2603

Harmonies

Analogous

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



63.7421, 0.3056, 0.2791



63.7421, 0.3415, 0.2985



63.7421, 0.3706, 0.3254

Triad

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



63.7421, 0.3415, 0.2985



63.7421, 0.3508, 0.3920



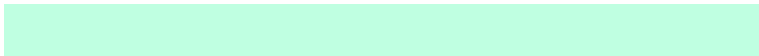
63.7421, 0.2470, 0.2973

Complementary

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



63.7421, 0.3415, 0.2985



88.0324, 0.2911, 0.3617

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.



63.7421, 0.2576, 0.3286



63.7421, 0.3415, 0.2985



63.7421, 0.3166, 0.3864

Square

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



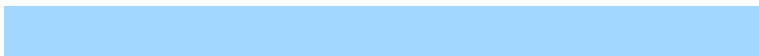
63.7421, 0.3415, 0.2985



63.7421, 0.3756, 0.3792



63.7421, 0.2827, 0.3624



63.7421, 0.2526, 0.2771

Rectangle

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



63.7421, 0.3415, 0.2985



63.7421, 0.3812, 0.3449



63.7421, 0.2827, 0.3624



63.7421, 0.2488, 0.3068

Sweetspot

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



63.7440, 0.3415, 0.2985



86.9896, 0.3204, 0.3197



60.3410, 0.2926, 0.2618



18.1289, 0.3220, 0.3179



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.



63.7440, 0.3415, 0.2985



58.1743, 0.3489, 0.2922



62.7515, 0.3658, 0.3303



18.1289, 0.3220, 0.3179



11.8416, 0.5096, 0.2581



1.1748, 0.4825, 0.2432

Inverse Universe

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



63.7440, 0.3415, 0.2985



58.1743, 0.3489, 0.2922



89.1381, 0.2756, 0.3278



18.1289, 0.3220, 0.3179



11.8416, 0.5096, 0.2581



1.1748, 0.4825, 0.2432

Previews

White Background



This preview shows how the Yxy color 63.7421, 0.3415, 0.2985 looks on a white background.

Color Contrast Check

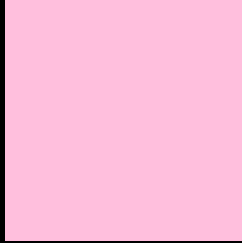
Large Text (above 18pt) WCAG AA × Fail

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 63.7421, 0.3415, 0.2985 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 63.7421, 0.3415, 0.2985

Background



This preview shows how black text looks on a background with the Yxy color 63.7421, 0.3415, 0.2985.



This preview shows how white text looks on a background with the Yxy color 63.7421, 0.3415, 0.2985.

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

63.7421, 0.3415, 0.2985

Protanopia

64.1467, 0.2965, 0.3032

Deuteranopia

63.8339, 0.3181, 0.3115



Tritanopia

63.5766, 0.3500, 0.3136

Trichromacy



Original Color

63.7421, 0.3415, 0.2985

Protanomaly

63.6344, 0.3117, 0.3018

Deuteranomaly

63.8470, 0.3262, 0.3066

Tritanomaly

63.5742, 0.3470, 0.3075

Monochromacy



Original Color

63.7421, 0.3415, 0.2985

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 63.7421, 0.3415, 0.2985 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, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 221)  
}
```

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, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 221) }
```

Border

The CSS property to change the border of an element to Yxy 63.7421, 0.3415, 0.2985 is called "border". The border property can be set on classes, ids or directly on the HTML element.

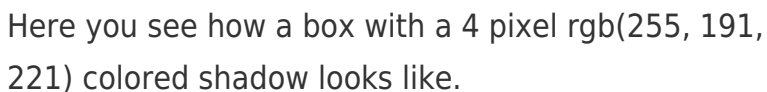
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 191, 221) }
```

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

```
.border{ border-color:rgb(255, 191, 221) }
```

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, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 63.7421, 0.3415, 0.2985 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, 221) }
```

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

```
.background{ background-color: rgb(255,  
191, 221) }
```

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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