

Converting Colors

$Y_{xy}(64.6153, 0.3308, 0.2855)$

Have a look what the booklet for
Yxy(64.6153, 0.3308, 0.2855)
contains.

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Color

Yxy(64.5198, 0.3305, 0.2849)

Conversions

Conversions Part 1

Format	Color
Hex	FFBFEB
RGB	255, 191, 235
RGB Percent	100%, 75%, 92%
CMY	0.0003, 0.2508, 0.0785
CMYK	0.00, 0.25, 0.08, 0.00
HSL	319°, 100%, 87%
HSV	319°, 25%, 100%
XYZ	74.8466, 64.5198, 87.0983
YIQ	215.1520, 24.0200, 27.2520

Conversions

Conversions Part 2

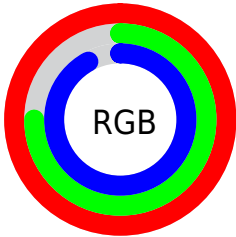
Format	Color
R_{YB}	255, 191, 235
Decimal	16760811
CIE _{Lab}	84.24, 29.67, -12.84
CIE _{LCh}	84, 32.330, 336.604
Yxy	64.5198, 0.3305, 0.2849
Android (android.graphics.Color)	4294950891 (0xFFFFBFEB)
YUV	215.1520, 9.7851, 34.9467
Hunter-Lab	80.3242, 25.7600, -8.0632

Details

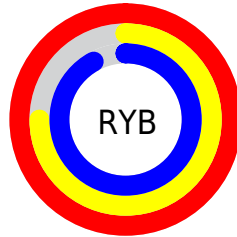
The Yxy color **64.5198, 0.3305, 0.2849** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **87.2609, 0.2986, 0.3776**, and the grayscale version is **67.9833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6148, 0.3130, 0.3223**, and **33.1518, 0.3352, 0.2753** is the 20% darker color. If you saturate the color by 10%, you get **53.9021, 0.3398, 0.2668**, and if you desaturate by 10%, it is **77.0991, 0.3225, 0.3030**.

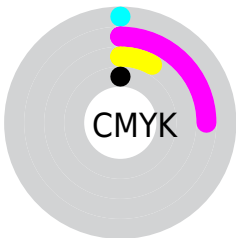
Distribution



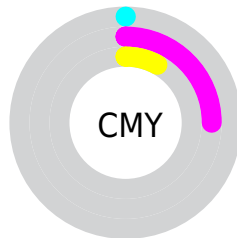
- Red (100%)
- Green (75%)
- Blue (92%)



- Red (100%)
- Yellow (75%)
- Blue (92%)



- Cyan (0%)
- Magenta (25%)
- Yellow (8%)
- Black (0%)





- Cyan (0%)
- Magenta (25%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.5198, 0.3305, 0.2849 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 64.5198, 0.3305, 0.2849 by changing the saturation by 10% instead.

 64.5198, 0.3305,
0.2849

 64.5198, 0.3305,
0.2849


441.0643, 0.3225,
0.3050

 47.0718, 0.3323,
0.2804


 111.3592, 0.3278,
0.2918

 33.0924, 0.3345,
0.2749


141.5194, 0.3267,
0.2945

 22.1973, 0.3372,
0.2680


176.6858, 0.3257,
0.2968

 14.0019, 0.3407,
0.2591

217.2427, 0.3249,
0.2989

 8.1220, 0.3454,
0.2472

263.5747, 0.3242,
0.3007

 4.1731, 0.3519,
0.2305


316.0660, 0.3236,


 1.7709, 0.3614,


0.3022


0.2055


375.1011, 0.3230,
0.3037


 0.4689, 0.3840,
0.1482

 0.0000, 0.3676,
0.0000

 64.5198, 0.3305,
0.2849


 64.5198, 0.3305,
0.2849

 53.9021, 0.3398,
0.2668

 77.0991, 0.3225,
0.3030

 45.1368, 0.3503,
0.2494

 91.7246, 0.3157,
0.3205

 38.1172, 0.3621,
0.2337

99.9874, 0.3127,
0.3290

 32.7224, 0.3749,
0.2206

■ 28.8154, 0.3883,
0.2115

■ 26.2372, 0.4019,
0.2071

■ 24.7913, 0.4151,
0.2078

■ 24.3570, 0.4216,
0.2096

Harmonies

Analogous

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



64.5198, 0.2897, 0.2674



64.5198, 0.3305, 0.2849



64.5198, 0.3685, 0.3126

Triad

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



64.5198, 0.3305, 0.2849



64.5198, 0.3684, 0.3978



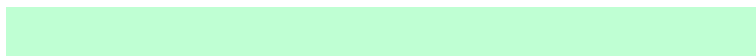
64.5198, 0.2403, 0.3044

Complementary

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



64.5198, 0.3305, 0.2849



87.2609, 0.2986, 0.3776

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.



64.5198, 0.2587, 0.3431



64.5198, 0.3305, 0.2849



64.5198, 0.3319, 0.4005

Square

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



64.5198, 0.3305, 0.2849



64.5198, 0.3906, 0.3764



64.5198, 0.2918, 0.3800



64.5198, 0.2399, 0.2763

Rectangle

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



64.5198, 0.3305, 0.2849



64.5198, 0.3858, 0.3343



64.5198, 0.2918, 0.3800



64.5198, 0.2445, 0.3166

Sweetspot

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



64.5227, 0.3305, 0.2849



87.2645, 0.3176, 0.3154



58.2252, 0.2827, 0.2599



18.1982, 0.3186, 0.3128



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.



64.5227, 0.3305, 0.2849



59.0767, 0.3349, 0.2759



62.8759, 0.3554, 0.3159



18.1982, 0.3186, 0.3128



12.7627, 0.4195, 0.2084



1.2624, 0.4054, 0.2007

Inverse Universe

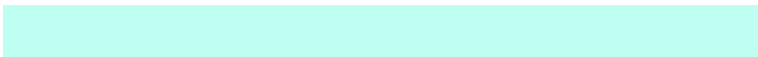
The Inverse Universe completely reimagines the original color for something new.



64.5227, 0.3305, 0.2849



59.0767, 0.3349, 0.2759



88.9789, 0.2822, 0.3426



18.1982, 0.3186, 0.3128



12.7627, 0.4195, 0.2084



1.2624, 0.4054, 0.2007

Previews

White Background



This preview shows how the Yxy color 64.5198, 0.3305, 0.2849 looks on a white background.

Color Contrast Check

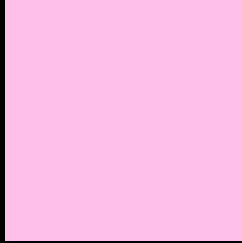
Large Text (above 18pt) WCAG AA × Fail

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 64.5198, 0.3305, 0.2849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

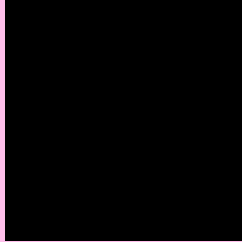
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.5198, 0.3305, 0.2849

Background



This preview shows how black text looks on a background with the Yxy color 64.5198, 0.3305, 0.2849.



This preview shows how white text looks on a background with the Yxy color 64.5198, 0.3305, 0.2849.

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

64.5198, 0.3305, 0.2849

Protanopia

64.9513, 0.2843, 0.2882

Deuteranopia

64.8610, 0.3059, 0.2997



Tritanopia

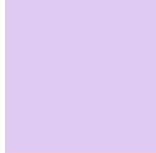
64.3788, 0.3472, 0.3136

Trichromacy



Original Color

64.5198, 0.3305, 0.2849



Protanomaly

64.1815, 0.2999, 0.2861



Deuteranomaly

64.5154, 0.3144, 0.2941



Tritanomaly

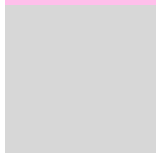
64.5807, 0.3411, 0.3034

Monochromacy



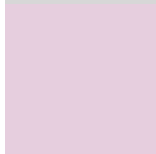
Original Color

64.5198, 0.3305, 0.2849



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

66.2395, 0.3196, 0.3118

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5198, 0.3305, 0.2849 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, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 235)  
}
```

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, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 235) }
```

Border

The CSS property to change the border of an element to Yxy 64.5198, 0.3305, 0.2849 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, 235) }
```

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

```
.border{ border-color:rgb(255, 191, 235) }
```

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, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5198, 0.3305, 0.2849 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, 235) }
```

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

```
.background{ background-color: rgb(255,  
191, 235) }
```

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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