

Converting Colors

Yxy(64.3306, 0.3346, 0.2902)

Have a look what the booklet for
Yxy(64.3306, 0.3346, 0.2902)
contains.

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Color

Yxy(64.2348, 0.3344, 0.2897)

Conversions

Conversions Part 1

Format	Color
Hex	FFBFE6
RGB	255, 191, 230
RGB Percent	100%, 75%, 90%
CMY	0.0001, 0.2509, 0.0981
CMYK	0.00, 0.25, 0.10, 0.00
HSL	323°, 100%, 87%
HSV	323°, 25%, 100%
XYZ	74.1461, 64.2348, 83.3478
YIQ	214.5820, 25.6250, 25.6970

Conversions

Conversions Part 2

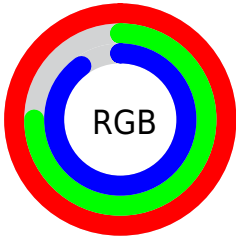
Format	Color
R_{YB}	255, 191, 230
Decimal	16760806
CIE _{Lab}	84.09, 28.86, -10.39
CIE _{LCh}	84, 30.677, 340.206
Yxy	64.2348, 0.3344, 0.2897
Android (android.graphics.Color)	4294950886 (0xFFFFBFE6)
YUV	214.5820, 7.6011, 35.4466
Hunter-Lab	80.1466, 24.8792, -5.5555

Details

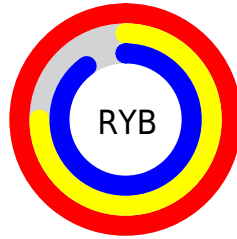
The Yxy color $64.2348, 0.3344, 0.2897$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $87.5414, 0.2959, 0.3719$, and the grayscale version is $67.5935, 0.3127, 0.3290$.

A 20% lighter version of the original color is $95.6148, 0.3130, 0.3223$, and $32.9531, 0.3404, 0.2813$ is the 20% darker color. If you saturate the color by 10%, you get $53.5229, 0.3459, 0.2735$, and if you desaturate by 10%, it is $76.9203, 0.3246, 0.3058$.

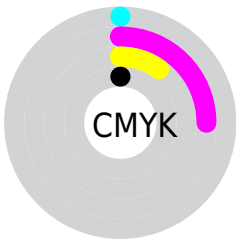
Distribution



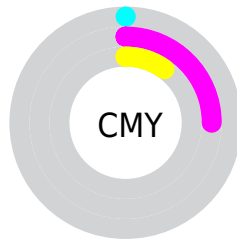
- Red (100%)
- Green (75%)
- Blue (90%)



- 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 64.2348, 0.3344, 0.2897 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 64.2348, 0.3344, 0.2897 by changing the saturation by 10% instead.


 64.2348, 0.3344,
0.2897

 64.2348, 0.3344,
0.2897

440.0371, 0.3244,
0.3077

 46.8409, 0.3367,
0.2856


 110.9490, 0.3310,
0.2959

 32.9099, 0.3394,
0.2807


141.0381, 0.3296,
0.2983

 22.0574, 0.3429,
0.2744


176.1277, 0.3285,
0.3004

 13.8991, 0.3475,
0.2663

216.6022, 0.3275,
0.3022

 8.0505, 0.3537,
0.2554

262.8460, 0.3266,
0.3038

 4.1273, 0.3625,
0.2399

315.2434, 0.3258,

 1.7450, 0.3760,

0.3053

0.2165

374.1790, 0.3251,
0.3065

0.4526, 0.4084,
0.1580

0.0000, 0.8581,
0.0000

64.2348, 0.3344,
0.2897

64.2348, 0.3344,
0.2897

53.5229, 0.3459,
0.2735

76.9203, 0.3246,
0.3058

44.6751, 0.3592,
0.2578

91.6642, 0.3164,
0.3214

37.5844, 0.3744,
0.2436

99.9955, 0.3127,
0.3290

32.1293, 0.3910,
0.2321

■ 28.1727, 0.4088,
0.2245

■ 25.5550, 0.4269,
0.2217

■ 24.0793, 0.4448,
0.2243

■ 23.6348, 0.4534,
0.2271

Harmonies

Analogous

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



64.2348, 0.2953, 0.2715



64.2348, 0.3344, 0.2897



64.2348, 0.3692, 0.3171

Triad

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



64.2348, 0.3344, 0.2897



64.2348, 0.3622, 0.3958



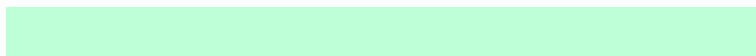
64.2348, 0.2427, 0.3019

Complementary

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



64.2348, 0.3344, 0.2897



87.5414, 0.2959, 0.3719

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.



64.2348, 0.2583, 0.3379



64.2348, 0.3344, 0.2897



64.2348, 0.3265, 0.3955

Square

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



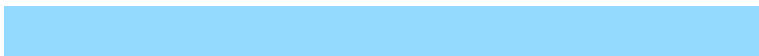
64.2348, 0.3344, 0.2897



64.2348, 0.3853, 0.3774



64.2348, 0.2886, 0.3737



64.2348, 0.2444, 0.2766

Rectangle

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



64.2348, 0.3344, 0.2897



64.2348, 0.3842, 0.3380



64.2348, 0.2886, 0.3737



64.2348, 0.2460, 0.3131

Sweetspot

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



64.2377, 0.3344, 0.2897



87.1652, 0.3186, 0.3169



59.0161, 0.2864, 0.2606



18.1731, 0.3198, 0.3146



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.



64.2377, 0.3344, 0.2897



58.7428, 0.3398, 0.2817



62.6243, 0.3598, 0.3214



18.1731, 0.3198, 0.3146



12.3825, 0.4506, 0.2256



1.2271, 0.4317, 0.2152

Inverse Universe

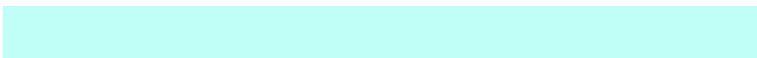
The Inverse Universe completely reimagines the original color for something new.



64.2377, 0.3344, 0.2897



58.7428, 0.3398, 0.2817



89.3307, 0.2795, 0.3369



18.1731, 0.3198, 0.3146



12.3825, 0.4506, 0.2256



1.2271, 0.4317, 0.2152

Previews

White Background



This preview shows how the Yxy color 64.2348, 0.3344, 0.2897 looks on a white background.

Color Contrast Check

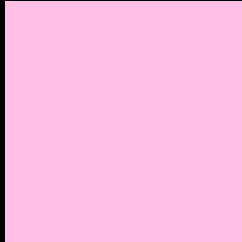
Large Text (above 18pt) WCAG AA × Fail

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 64.2348, 0.3344, 0.2897 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 64.2348, 0.3344, 0.2897

Background



This preview shows how black text looks on a background with the Yxy color 64.2348, 0.3344, 0.2897.



This preview shows how white text looks on a background with the Yxy color 64.2348, 0.3344, 0.2897.

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

64.2348, 0.3344, 0.2897

Protanopia

64.3000, 0.2880, 0.2924

Deuteranopia

64.3168, 0.3094, 0.3028



Tritanopia

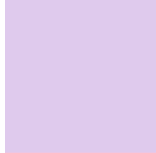
64.3788, 0.3472, 0.3136

Trichromacy



Original Color

64.2348, 0.3344, 0.2897



Protanomaly

64.0435, 0.3040, 0.2913



Deuteranomaly

63.9964, 0.3181, 0.2972



Tritanomaly

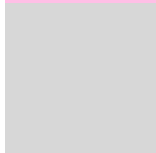
64.4760, 0.3426, 0.3055

Monochromacy



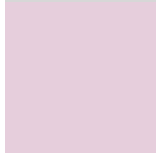
Original Color

64.2348, 0.3344, 0.2897



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

66.1329, 0.3210, 0.3139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2348, 0.3344, 0.2897 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 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, 191, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 230) }
```

Border

The CSS property to change the border of an element to Yxy 64.2348, 0.3344, 0.2897 is called "border". The border property can be set on classes, ids or directly on the HTML element.

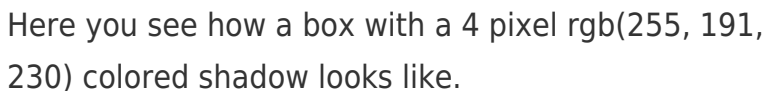
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 191, 230) }
```

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

```
.border{ border-color:rgb(255, 191, 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, 191, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 191, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 191, 230); box-shadow:4px 4px 4px 4px rgb(255, 191, 230) }
```


Background

The CSS property to change the background color of an element to Yxy 64.2348, 0.3344, 0.2897 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, 230) }
```

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

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