

# Converting Colors

$Y_{xy}(64.2678, 0.3340, 0.2892)$

Have a look what the booklet for  
Yxy(64.2678, 0.3340, 0.2892)  
contains.

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# Color

**Yxy(64.2911, 0.3336, 0.2887)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBFE7
RGB	255, 191, 231
RGB Percent	100%, 75%, 91%
CMY	0.0001, 0.2509, 0.0940
CMYK	0.00, 0.25, 0.09, 0.00
HSL	322°, 100%, 87%
HSV	322°, 25%, 100%
XYZ	74.2900, 64.2911, 84.1107
YIQ	214.6960, 25.3040, 26.0080

# Conversions

## Conversions Part 2

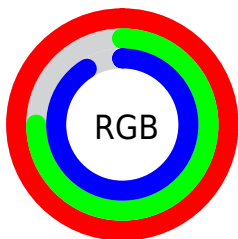
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 191, 231
Decimal	16760807
CIE <sub>Lab</sub>	84.12, 29.04, -10.89
CIE <sub>LCh</sub>	84, 31.013, 339.433
Yxy	64.2911, 0.3336, 0.2887
Android (android.graphics.Color)	4294950887 (0xFFFFBFE7)
YUV	214.6960, 8.0379, 35.3466
Hunter-Lab	80.1817, 25.0657, -6.0680

# Details

The Yxy color  $64.2911, 0.3336, 0.2887$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $87.4873, 0.2964, 0.3731$ , and the grayscale version is  $67.6723, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $95.6148, 0.3130, 0.3223$ , and  $32.9922, 0.3394, 0.2801$  is the 20% darker color. If you saturate the color by 10%, you get  $53.5982, 0.3446, 0.2721$ , and if you desaturate by 10%, it is  $76.9551, 0.3242, 0.3052$ .

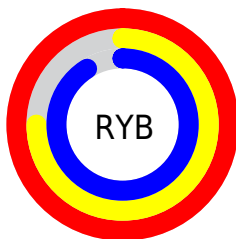
# Distribution



Red (100%)

Green (75%)

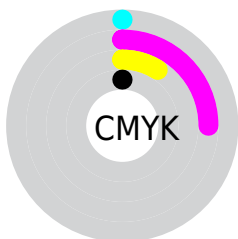
Blue (91%)



Red (100%)

Yellow (75%)

Blue (91%)

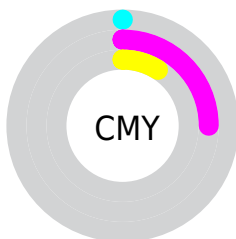


Cyan (0%)

Magenta (25%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (25%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.2911, 0.3336, 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 64.2911, 0.3336, 0.2887 by changing the saturation by 10% instead.




 64.2911, 0.3336,  
0.2887

 64.2911, 0.3336,  
0.2887

440.2401, 0.3240,  
0.3071

 46.8865, 0.3358,  
0.2846


 111.0301, 0.3303,  
0.2950

 32.9459, 0.3384,  
0.2795


141.1332, 0.3290,  
0.2975

 22.0850, 0.3418,  
0.2731


176.2380, 0.3279,  
0.2997

 13.9194, 0.3461,  
0.2648

216.7288, 0.3269,  
0.3015

 8.0646, 0.3520,  
0.2537

262.9900, 0.3261,  
0.3032

 4.1363, 0.3603,  
0.2379

315.4060, 0.3253,

 1.7501, 0.3730,

0.3046

0.2142

374.3613, 0.3246,  
0.3059

0.4558, 0.4033,  
0.1559

0.0000, 0.6309,  
0.0000

64.2911, 0.3336,  
0.2887

64.2911, 0.3336,  
0.2887

53.5982, 0.3446,  
0.2721

76.9551, 0.3242,  
0.3052

44.7668, 0.3574,  
0.2560

91.6749, 0.3162,  
0.3212

37.6901, 0.3718,  
0.2416

99.9954, 0.3127,  
0.3290

32.2467, 0.3876,  
0.2297

■ 28.2995, 0.4045,  
0.2218

■ 25.6889, 0.4217,  
0.2187

■ 24.2182, 0.4385,  
0.2209

■ 23.7755, 0.4467,  
0.2234

# Harmonies

## Analogous

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



64.2911, 0.2941, 0.2707



64.2911, 0.3336, 0.2887



64.2911, 0.3691, 0.3162

# Triad

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



64.2911, 0.3336, 0.2887



64.2911, 0.3635, 0.3962



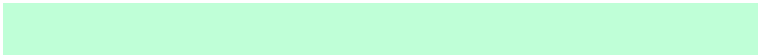
64.2911, 0.2422, 0.3024

# Complementary

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



64.2911, 0.3336, 0.2887



87.4873, 0.2964, 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.



64.2911, 0.2584, 0.3390



64.2911, 0.3336, 0.2887



64.2911, 0.3276, 0.3966

# Square

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



64.2911, 0.3336, 0.2887



64.2911, 0.3864, 0.3772



64.2911, 0.2892, 0.3750



64.2911, 0.2434, 0.2765



# Rectangle

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



64.2911, 0.3336, 0.2887



64.2911, 0.3845, 0.3372



64.2911, 0.2892, 0.3750



64.2911, 0.2457, 0.3138

# Sweetspot

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



64.2940, 0.3336, 0.2887



87.1855, 0.3184, 0.3166



58.8528, 0.2857, 0.2605



18.1782, 0.3196, 0.3142



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.



64.2940, 0.3336, 0.2887



58.8104, 0.3388, 0.2805



62.6720, 0.3590, 0.3203



18.1782, 0.3196, 0.3142



12.4558, 0.4440, 0.2220



1.2340, 0.4262, 0.2121



# Inverse Universe

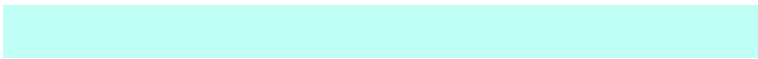
The Inverse Universe completely reimagines the original color for something new.



64.2940, 0.3336, 0.2887



58.8104, 0.3388, 0.2805



89.2640, 0.2800, 0.3380



18.1782, 0.3196, 0.3142



12.4558, 0.4440, 0.2220



1.2340, 0.4262, 0.2121



# Previews

## White Background



This preview shows how the Yxy color 64.2911, 0.3336, 0.2887 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

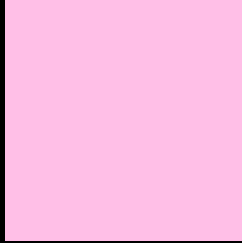
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.2911, 0.3336, 0.2887 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

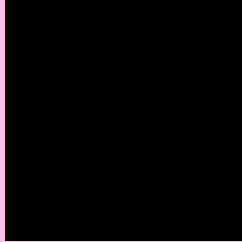
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.2911, 0.3336, 0.2887**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.2911, 0.3336, 0.2887.



This preview shows how white text looks on a background with the Yxy color 64.2911, 0.3336, 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



### Original Color

64.2911, 0.3336, 0.2887

### Protanopia

64.3599, 0.2874, 0.2913

### Deuteranopia

64.3725, 0.3087, 0.3018



## Tritanopia

64.3788, 0.3472, 0.3136

# Trichromacy



## Original Color

64.2911, 0.3336, 0.2887



## Protanomaly

64.1021, 0.3033, 0.2903



## Deuteranomaly

64.0524, 0.3173, 0.2961



## Tritanomaly

64.5282, 0.3418, 0.3045

# Monochromacy



## Original Color

64.2911, 0.3336, 0.2887



## Achromatopsia

67.9542, 0.3127, 0.3290



## Achromatomaly

66.1861, 0.3203, 0.3129

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.2911, 0.3336, 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, 191, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 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, 191, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 64.2911, 0.3336, 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, 191, 231) }
```

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

```
.border{ border-color:rgb(255, 191, 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, 191, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.2911, 0.3336, 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, 191, 231) }
```

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

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