

# Converting Colors

Yxy(64.4926, 0.3389, 0.2929)

Have a look what the booklet for  
Yxy(64.4926, 0.3389, 0.2929)  
contains.

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# **Color**

**Yxy(64.0677, 0.3368, 0.2926)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBFE3
RGB	255, 191, 227
RGB Percent	100%, 75%, 89%
CMY	0.0000, 0.2510, 0.1098
CMYK	0.00, 0.25, 0.11, 0.00
HSL	326°, 100%, 87%
HSV	326°, 25%, 100%
XYZ	73.7457, 64.0677, 81.1466
YIQ	214.2400, 26.5880, 24.7640

# Conversions

## Conversions Part 2

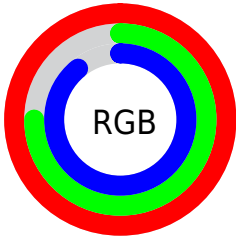
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 191, 227
Decimal	16760803
CIE <sub>Lab</sub>	84.00, 28.41, -8.91
CIE <sub>LCh</sub>	84, 29.774, 342.581
Yxy	64.0677, 0.3368, 0.2926
Android (android.graphics.Color)	4294950883 (0xFFFFBFE3)
YUV	214.2400, 6.2907, 35.7465
Hunter-Lab	80.0423, 24.3842, -4.0784

# Details

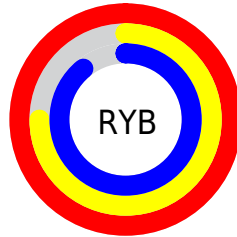
The Yxy color  $64.0677, 0.3368, 0.2926$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $87.7094, 0.2942, 0.3685$ , and the grayscale version is  $67.3529, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $95.6148, 0.3130, 0.3223$ , and  $32.8756, 0.3425, 0.2838$  is the 20% darker color. If you saturate the color by 10%, you get  $53.2968, 0.3497, 0.2775$ , and if you desaturate by 10%, it is  $76.8051, 0.3259, 0.3076$ .

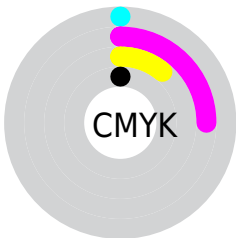
# Distribution



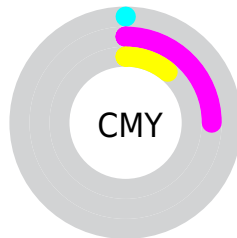
- Red (100%)
- Green (75%)
- Blue (89%)



- Red (100%)
- Yellow (75%)
- Blue (89%)



- Cyan (0%)
- Magenta (25%)
- Yellow (11%)
- Black (0%)




- Cyan (0%)
- Magenta (25%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.0677, 0.3368, 0.2926 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 64.0677, 0.3368, 0.2926 by changing the saturation by 10% instead.





 64.0677, 0.3368,  
0.2926

 64.0677, 0.3368,  
0.2926


439.4341, 0.3257,  
0.3093

 46.7055, 0.3393,  
0.2888


 110.7084, 0.3329,  
0.2984

 32.8029, 0.3425,  
0.2842

140.7558, 0.3314,  
0.3006

 21.9755, 0.3465,  
0.2783


175.8003, 0.3301,  
0.3026

 13.8389, 0.3517,  
0.2707

216.2263, 0.3290,  
0.3043

 8.0087, 0.3588,  
0.2604

262.4183, 0.3280,  
0.3057

 4.1005, 0.3690,  
0.2457


314.7607, 0.3271,


 1.7299, 0.3851,

0.3071

0.2233


373.6378, 0.3264,  
0.3083


 0.4429, 0.4240,  
0.1640


 0.0000, 1.0000,  
0.0000

 64.0677, 0.3368,  
0.2926


 64.0677, 0.3368,  
0.2926

 53.2968, 0.3497,  
0.2775

 76.8051, 0.3259,  
0.3076

 44.4055, 0.3647,  
0.2629

 91.6172, 0.3168,  
0.3220

 37.2791, 0.3820,  
0.2498

100.0000, 0.3127,  
0.3290

 31.7956, 0.4011,  
0.2393

■ 27.8177, 0.4216,  
0.2326

■ 25.1854, 0.4427,  
0.2309

■ 23.7015, 0.4633,  
0.2347

■ 23.2561, 0.4732,  
0.2380

# Harmonies

## Analogous

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



64.0677, 0.2987, 0.2740



64.0677, 0.3368, 0.2926



64.0677, 0.3697, 0.3198

# Triad

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



64.0677, 0.3368, 0.2926



64.0677, 0.3584, 0.3946



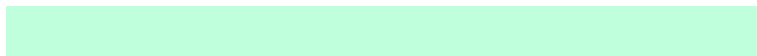
64.0677, 0.2441, 0.3003

# Complementary

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



64.0677, 0.3368, 0.2926



87.7094, 0.2942, 0.3685

# 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.



64.0677, 0.2581, 0.3348



64.0677, 0.3368, 0.2926



64.0677, 0.3232, 0.3926

# Square

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



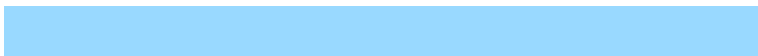
64.0677, 0.3368, 0.2926



64.0677, 0.3821, 0.3781



64.0677, 0.2866, 0.3699



64.0677, 0.2471, 0.2768



# Rectangle

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



64.0677, 0.3368, 0.2926



64.0677, 0.3833, 0.3403



64.0677, 0.2866, 0.3699



64.0677, 0.2469, 0.3110

# Sweetspot

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



64.0630, 0.3368, 0.2926



87.1062, 0.3192, 0.3179



59.4952, 0.2887, 0.2610



18.1582, 0.3206, 0.3157



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.



64.0630, 0.3368, 0.2926



58.5488, 0.3428, 0.2852



62.4691, 0.3626, 0.3247



18.1582, 0.3206, 0.3157



12.1824, 0.4700, 0.2363



1.2081, 0.4483, 0.2243



# Inverse Universe

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



64.0630, 0.3368, 0.2926



58.5488, 0.3428, 0.2852



89.5433, 0.2778, 0.3334



18.1582, 0.3206, 0.3157



12.1824, 0.4700, 0.2363



1.2081, 0.4483, 0.2243



# Previews

## White Background



This preview shows how the Yxy color 64.0677, 0.3368, 0.2926 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

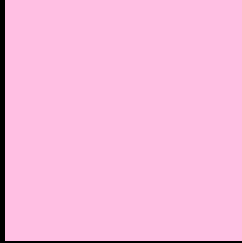
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.0677, 0.3368, 0.2926 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 64.0677, 0.3368, 0.2926**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.0677, 0.3368, 0.2926.



This preview shows how white text looks on a background with the Yxy color 64.0677, 0.3368, 0.2926.

# 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

64.0677, 0.3368, 0.2926

### Protanopia

64.2639, 0.2906, 0.2956

### Deuteranopia

64.3099, 0.3123, 0.3061



## Tritanopia

64.0697, 0.3490, 0.3136

# Trichromacy



## Original Color

64.0677, 0.3368, 0.2926



## Protanomaly

63.8695, 0.3061, 0.2944



## Deuteranomaly

64.0000, 0.3210, 0.3003



## Tritanomaly

64.1686, 0.3444, 0.3055

# Monochromacy



## Original Color

64.0677, 0.3368, 0.2926



## Achromatopsia

67.2443, 0.3127, 0.3290



## Achromatomaly

65.9151, 0.3210, 0.3150

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.0677, 0.3368, 0.2926 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 64.0677, 0.3368, 0.2926 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, 227) }
```

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

```
.border{ border-color:rgb(255, 191, 227) }
```

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, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.0677, 0.3368, 0.2926 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, 227) }
```

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

```
.background{ background-color: rgb(255,  
191, 227) }
```

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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