

# Converting Colors

$Y_{xy}(100.0000, 0.4304, 0.2980)$

Have a look what the booklet for  
Yxy(100.0000, 0.4304, 0.2980)  
contains.

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# **Color**

**Yxy(64.1430, 0.3299, 0.2829)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBEEC
RGB	255, 190, 236
RGB Percent	100%, 75%, 93%
CMY	0.0000, 0.2549, 0.0745
CMYK	0.00, 0.25, 0.07, 0.00
HSL	318°, 100%, 87%
HSV	318°, 25%, 100%
XYZ	74.7995, 64.1430, 87.7913
YIQ	214.6790, 23.9740, 28.0860

# Conversions

## Conversions Part 2

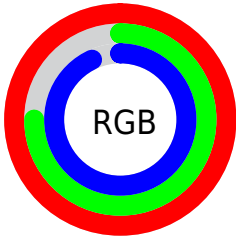
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 190, 236
Decimal	16760556
CIE Lab	84.04, 30.42, -13.67
CIE LCh	84, 33.347, 335.807
Yxy	64.1430, 0.3299, 0.2829
Android (android.graphics.Color)	4294950636 (0xFFFFBEEC)
YUV	214.6790, 10.5113, 35.3615
Hunter-Lab	80.0893, 26.5539, -8.9293

# Details

The Yxy color **64.1430, 0.3299, 0.2829** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **87.0702, 0.2990, 0.3801**, and the grayscale version is **67.6395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0015, 0.3131, 0.3214**, and **32.9094, 0.3343, 0.2728** is the 20% darker color. If you saturate the color by 10%, you get **53.6205, 0.3386, 0.2644**, and if you desaturate by 10%, it is **76.6124, 0.3223, 0.3014**.

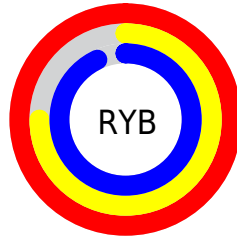
# Distribution



Red (100%)

Green (75%)

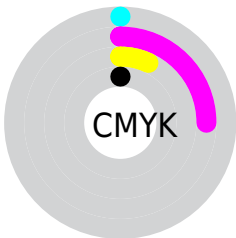
Blue (93%)



Red (100%)

Yellow (75%)

Blue (93%)

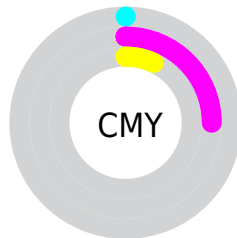


Cyan (0%)

Magenta (25%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (25%)


Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.1430, 0.3299, 0.2829 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 64.1430, 0.3299, 0.2829 by changing the saturation by 10% instead.





 64.1430, 0.3299,  
0.2829

 64.1430, 0.3299,  
0.2829


439.7059, 0.3222,  
0.3038

 46.7665, 0.3316,  
0.2782

 110.8169, 0.3273,  
0.2901

 32.8511, 0.3337,  
0.2725


140.8830, 0.3262,  
0.2929

 22.0124, 0.3363,  
0.2653


175.9478, 0.3253,  
0.2953

 13.8660, 0.3396,  
0.2560

216.3957, 0.3245,  
0.2975

 8.0275, 0.3440,  
0.2436

262.6111, 0.3238,  
0.2993

 4.1126, 0.3501,  
0.2263

314.9783, 0.3232,

 1.7367, 0.3589,

0.3010

0.2005

373.8817, 0.3227,  
0.3025

0.4473, 0.3804,  
0.1404

0.0000, 0.3275,  
0.0000

64.1430, 0.3299,  
0.2829

64.1430, 0.3299,  
0.2829

53.6205, 0.3386,  
0.2644

76.6124, 0.3223,  
0.3014

44.9492, 0.3486,  
0.2466

91.1275, 0.3158,  
0.3195

38.0175, 0.3596,  
0.2306

100.0000, 0.3127,  
0.3290

32.7036, 0.3715,  
0.2173

■ 28.8700, 0.3839,  
0.2081

■ 26.3562, 0.3964,  
0.2035

■ 24.9637, 0.4085,  
0.2040

■ 24.5736, 0.4139,  
0.2054

# Harmonies

## Analogous

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



64.1430, 0.2878, 0.2652



64.1430, 0.3299, 0.2829



64.1430, 0.3694, 0.3112

# Triad

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



64.1430, 0.3299, 0.2829



64.1430, 0.3710, 0.3997



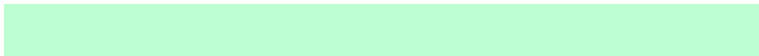
64.1430, 0.2383, 0.3045

# Complementary

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



64.1430, 0.3299, 0.2829



87.0702, 0.2990, 0.3801

# 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.



64.1430, 0.2576, 0.3446



64.1430, 0.3299, 0.2829



64.1430, 0.3336, 0.4032

# Square

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



64.1430, 0.3299, 0.2829



64.1430, 0.3935, 0.3771



64.1430, 0.2921, 0.3827



64.1430, 0.2374, 0.2751



# Rectangle

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



64.1430, 0.3299, 0.2829



64.1430, 0.3878, 0.3334



64.1430, 0.2921, 0.3827



64.1430, 0.2428, 0.3172

# Sweetspot

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



64.1412, 0.3299, 0.2829



87.2897, 0.3174, 0.3150



57.5153, 0.2813, 0.2585



18.2045, 0.3183, 0.3123



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.



64.1412, 0.3299, 0.2829



58.1110, 0.3346, 0.2726



62.4488, 0.3554, 0.3146



18.2045, 0.3183, 0.3123



12.8676, 0.4120, 0.2043



1.2720, 0.3991, 0.1972



# Inverse Universe

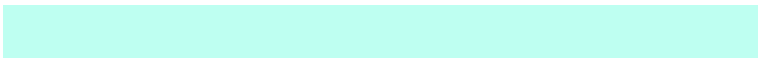
The Inverse Universe completely reimagines the original color for something new.



64.1412, 0.3299, 0.2829



58.1110, 0.3346, 0.2726



88.8125, 0.2823, 0.3441



18.2045, 0.3183, 0.3123



12.8676, 0.4120, 0.2043



1.2720, 0.3991, 0.1972



# Previews

## White Background



This preview shows how the Yxy color 64.1430, 0.3299, 0.2829 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

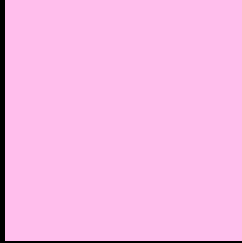
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.1430, 0.3299, 0.2829 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 64.1430, 0.3299, 0.2829**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.1430, 0.3299, 0.2829.



This preview shows how white text looks on a background with the Yxy color 64.1430, 0.3299, 0.2829.

# 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

64.1430, 0.3299, 0.2829

### Protanopia

64.4456, 0.2823, 0.2849

### Deuteranopia

64.1290, 0.3038, 0.2974



## Tritanopia

64.3788, 0.3472, 0.3136

# Trichromacy



## Original Color

64.1430, 0.3299, 0.2829



## Protanomaly

63.6771, 0.2979, 0.2829



## Deuteranomaly

63.9432, 0.3129, 0.2919



## Tritanomaly

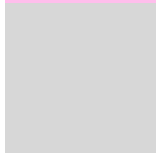
64.1370, 0.3412, 0.3024

# Monochromacy



## Original Color

64.1430, 0.3299, 0.2829



## Achromatopsia

67.9542, 0.3127, 0.3290



## Achromatomaly

66.2933, 0.3189, 0.3107

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.1430, 0.3299, 0.2829 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, 190, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 190, 236)  
}
```

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, 190, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 190, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 64.1430, 0.3299, 0.2829 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, 190, 236) }
```

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

```
.border{ border-color:rgb(255, 190, 236) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 190, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 190, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 190, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 190,  
236) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.1430, 0.3299, 0.2829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 190, 236) }
```

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

```
.background{ background-color: rgb(255,  
190, 236) }
```

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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