

# Converting Colors

$Y_{xy}(70.6459, 0.3510, 0.2850)$

Have a look what the booklet for  
Yxy(70.6459, 0.3510, 0.2850)  
contains.

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# Color

**Yxy(64.6947, 0.3283, 0.2820)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBFEE
RGB	255, 191, 238
RGB Percent	100%, 75%, 93%
CMY	0.0000, 0.2510, 0.0667
CMYK	0.00, 0.25, 0.07, 0.00
HSL	316°, 100%, 87%
HSV	316°, 25%, 100%
XYZ	75.3166, 64.6947, 89.4026
YIQ	215.4940, 23.0570, 28.1850

# Conversions

## Conversions Part 2

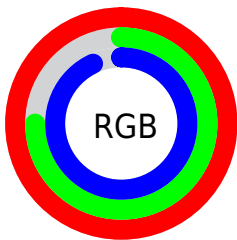
Format	Color
R <sub>Y</sub> B	255, 191, 238
Decimal	16760814
CIE <sub>Lab</sub>	84.33, 30.25, -14.30
CIE <sub>LCh</sub>	84, 33.459, 334.689
Yxy	64.6947, 0.3283, 0.2820
Android (android.graphics.Color)	4294950894 (0xFFFFBFEE)
YUV	215.4940, 11.0955, 34.6468
Hunter-Lab	80.4330, 26.3876, -9.5987

# Details

The Yxy color **64.6947, 0.3283, 0.2820** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **87.1479, 0.3001, 0.3811**, and the grayscale version is **68.2113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6148, 0.3130, 0.3223**, and **33.2745, 0.3321, 0.2717** is the 20% darker color. If you saturate the color by 10%, you get **54.1276, 0.3362, 0.2628**, and if you desaturate by 10%, it is **77.1990, 0.3213, 0.3012**.

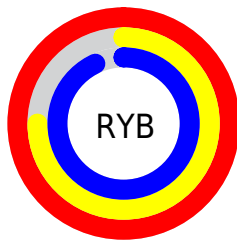
# Distribution



Red (100%)

Green (75%)

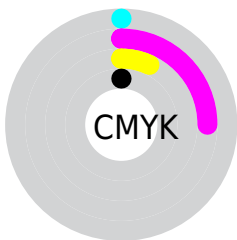
Blue (93%)



Red (100%)

Yellow (75%)

Blue (93%)

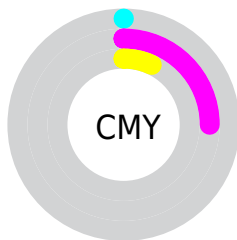


Cyan (0%)

Magenta (25%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (25%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6947, 0.3283, 0.2820 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 64.6947, 0.3283, 0.2820 by changing the saturation by 10% instead.





 64.6947, 0.3283,  
0.2820

 64.6947, 0.3283,  
0.2820


441.6940, 0.3214,  
0.3033

 47.2136, 0.3298,  
0.2772


 111.6108, 0.3259,  
0.2893

 33.2045, 0.3317,  
0.2714


141.8146, 0.3250,  
0.2922

 22.2832, 0.3340,  
0.2641


177.0280, 0.3242,  
0.2946

 14.0651, 0.3369,  
0.2548

217.6355, 0.3235,  
0.2968

 8.1660, 0.3407,  
0.2423

264.0215, 0.3229,  
0.2987

 4.2013, 0.3459,  
0.2249

316.5703, 0.3223,

 1.7868, 0.3532,

0.3004

0.1990

375.6663, 0.3218,  
0.3019

0.4789, 0.3705,  
0.1426

0.0000, 0.3090,  
0.0000

64.6947, 0.3283,  
0.2820

64.6947, 0.3283,  
0.2820

54.1276, 0.3362,  
0.2628

77.1990, 0.3213,  
0.3012

45.4180, 0.3452,  
0.2445

91.7546, 0.3154,  
0.3198

38.4493, 0.3551,  
0.2279

100.0000, 0.3127,  
0.3290

33.1005, 0.3658,  
0.2141

■ 29.2348, 0.3768,  
0.2042

■ 26.6928, 0.3879,  
0.1989

■ 25.2780, 0.3987,  
0.1986

■ 24.8592, 0.4038,  
0.1998

# Harmonies

## Analogous

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



64.6947, 0.2864, 0.2648



64.6947, 0.3283, 0.2820



64.6947, 0.3682, 0.3100

# Triad

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



64.6947, 0.3283, 0.2820



64.6947, 0.3722, 0.3992



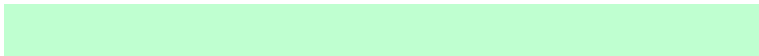
64.6947, 0.2387, 0.3058

# Complementary

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



64.6947, 0.3283, 0.2820



87.1479, 0.3001, 0.3811

# 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.



64.6947, 0.2587, 0.3462



64.6947, 0.3283, 0.2820



64.6947, 0.3351, 0.4036

# Square

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



64.6947, 0.3283, 0.2820



64.6947, 0.3940, 0.3760



64.6947, 0.2935, 0.3839



64.6947, 0.2370, 0.2759



# Rectangle

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



64.6947, 0.3283, 0.2820



64.6947, 0.3870, 0.3321



64.6947, 0.2935, 0.3839



64.6947, 0.2434, 0.3186

# Sweetspot

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



64.6878, 0.3283, 0.2820



87.3237, 0.3170, 0.3145



57.7387, 0.2803, 0.2594



18.2131, 0.3179, 0.3117



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.



64.6878, 0.3283, 0.2820



59.2798, 0.3320, 0.2726



63.0194, 0.3528, 0.3126



18.2131, 0.3179, 0.3117



13.0155, 0.4021, 0.1989



1.2854, 0.3907, 0.1926



# Inverse Universe

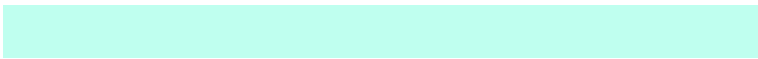
The Inverse Universe completely reimagines the original color for something new.



64.6878, 0.3283, 0.2820



59.2798, 0.3320, 0.2726



88.8262, 0.2838, 0.3461



18.2131, 0.3179, 0.3117



13.0155, 0.4021, 0.1989



1.2854, 0.3907, 0.1926



# Previews

## White Background



This preview shows how the Yxy color 64.6947, 0.3283, 0.2820 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

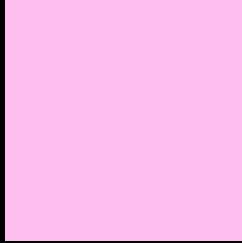
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.6947, 0.3283, 0.2820 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

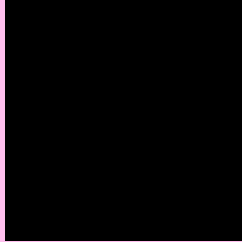
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.6947, 0.3283, 0.2820**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.6947, 0.3283, 0.2820.



This preview shows how white text looks on a background with the Yxy color 64.6947, 0.3283, 0.2820.

# 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

64.6947, 0.3283, 0.2820

### Protanopia

65.0596, 0.2812, 0.2840

### Deuteranopia

64.8764, 0.3032, 0.2965



## Tritanopia

64.6922, 0.3455, 0.3135

# Trichromacy



## Original Color

64.6947, 0.3283, 0.2820



## Protanomaly

64.2670, 0.2965, 0.2820



## Deuteranomaly

64.6883, 0.3122, 0.2910



## Tritanomaly

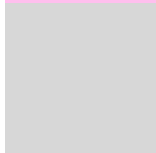
64.4995, 0.3387, 0.3014

# Monochromacy



## Original Color

64.6947, 0.3283, 0.2820



## 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 64.6947, 0.3283, 0.2820 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, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 238)  
}
```

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, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 64.6947, 0.3283, 0.2820 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, 238) }
```

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

```
.border{ border-color:rgb(255, 191, 238) }
```

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, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.6947, 0.3283, 0.2820 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, 238) }
```

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

```
.background{ background-color: rgb(255,  
191, 238) }
```

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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