

# Converting Colors

$Y_{xy}(71.9808, 0.3163, 0.2818)$

Have a look what the booklet for  
Yxy(71.9808, 0.3163, 0.2818)  
contains.

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# Color

**Yxy(72.0145, 0.3164, 0.2820)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCDFD
RGB	255, 205, 253
RGB Percent	100%, 80%, 99%
CMY	0.0000, 0.1960, 0.0079
CMYK	0.00, 0.20, 0.01, 0.00
HSL	302°, 100%, 90%
HSV	302°, 20%, 100%
XYZ	80.7992, 72.0145, 102.5568
YIQ	225.4220, 14.3920, 25.5280

# Conversions

## Conversions Part 2

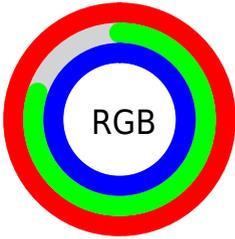
Format	Color
R <sub>Y</sub> B	255, 205, 253
Decimal	16764413
CIE Lab	87.98, 25.48, -16.78
CIE LCh	88, 30.511, 326.633
Yxy	72.0145, 0.3164, 0.2820
Android (android.graphics.Color)	4294954493 (0xFFFFCDFD)
YUV	225.4220, 13.5960, 25.9399
Hunter-Lab	84.8614, 21.4483, -12.2503

# Details

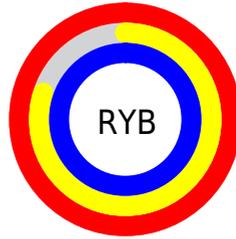
The Yxy color **72.0145, 0.3164, 0.2820** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **89.0063, 0.3091, 0.3810**, and the grayscale version is **75.5082, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.8040, 0.3173, 0.2717** is the 20% darker color. If you saturate the color by 10%, you get **60.7296, 0.3185, 0.2578**, and if you desaturate by 10%, it is **85.2931, 0.3144, 0.3063**.

# Distribution



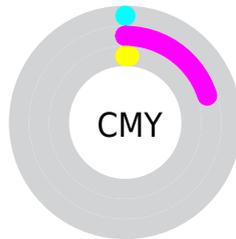
- Red (100%)
- Green (80%)
- Blue (99%)



- Red (100%)
- Yellow (80%)
- Blue (99%)



- Cyan (0%)
- Magenta (20%)
- Yellow (1%)
- Black (0%)



- Cyan (0%)
- Magenta (20%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.0145, 0.3164, 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 72.0145, 0.3164, 0.2820 by changing the saturation by 10% instead.

 72.0145, 0.3164,  
0.2820

 72.0145, 0.3164,  
0.2820

467.5921, 0.3151,  
0.3029

 53.1705, 0.3166,  
0.2774

122.0771, 0.3160,  
0.2891

 37.9389, 0.3169,  
0.2718

154.0646, 0.3158,  
0.2919

 25.9353, 0.3171,  
0.2649

191.2020, 0.3157,  
0.2943

 16.7752, 0.3174,  
0.2561

233.8738, 0.3155,  
0.2965

 10.0744, 0.3175,  
0.2446

282.4642, 0.3154,  
0.2984

 5.4483, 0.3174,  
0.2288

337.3579, 0.3153,

 2.5126, 0.3167,

0.3001

0.2059

398.9390, 0.3152,  
0.3016

0.8829, 0.3138,  
0.1704

0.0000, 0.3057,  
0.0000

72.0145, 0.3164,  
0.2820

72.0145, 0.3164,  
0.2820

60.7296, 0.3185,  
0.2578

85.2931, 0.3144,  
0.3063

51.3343, 0.3206,  
0.2345

100.0000, 0.3127,  
0.3290

43.7271, 0.3228,  
0.2130

37.7937, 0.3249,  
0.1944

■ 33.4069, 0.3268,  
0.1794

■ 30.4209, 0.3286,  
0.1688

■ 28.6625, 0.3301,  
0.1625

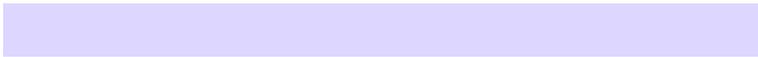
■ 27.8601, 0.3314,  
0.1600

■ 27.8357, 0.3315,  
0.1600

# Harmonies

## Analogous

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



72.0145, 0.2807, 0.2699



72.0145, 0.3164, 0.2820



72.0145, 0.3530, 0.3049

# Triad

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



72.0145, 0.3164, 0.2820



72.0145, 0.3722, 0.3869



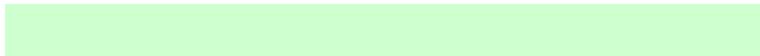
72.0145, 0.2503, 0.3180

# Complementary

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



72.0145, 0.3164, 0.2820



89.0063, 0.3091, 0.3810

# Split Complementary

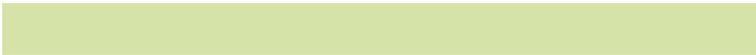
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.0145, 0.2723, 0.3538



72.0145, 0.3164, 0.2820



72.0145, 0.3424, 0.3953

# Square

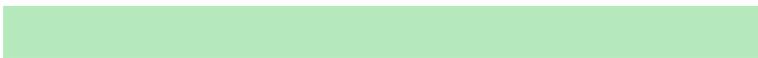
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.0145, 0.3164, 0.2820



72.0145, 0.3861, 0.3638



72.0145, 0.3057, 0.3834



72.0145, 0.2443, 0.2882

# Rectangle

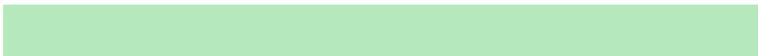
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.0145, 0.3164, 0.2820



72.0145, 0.3723, 0.3240



72.0145, 0.3057, 0.3834



72.0145, 0.2560, 0.3298

# Sweetspot

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



72.0171, 0.3164, 0.2820



90.5840, 0.3138, 0.3149



64.1047, 0.2810, 0.2749



19.1792, 0.3139, 0.3133



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.



72.0171, 0.3164, 0.2820



66.8168, 0.3173, 0.2713



70.5464, 0.3341, 0.3056



18.2870, 0.3144, 0.3065



14.5504, 0.3313, 0.1599



1.4205, 0.3300, 0.1592



# Inverse Universe

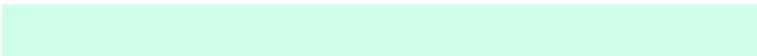
The Inverse Universe completely reimagines the original color for something new.



72.0171, 0.3164, 0.2820



66.8168, 0.3173, 0.2713



90.3077, 0.2955, 0.3537



18.2870, 0.3144, 0.3065



14.5504, 0.3313, 0.1599

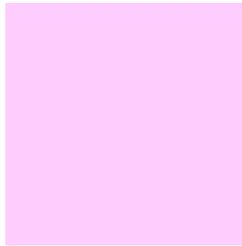


1.4205, 0.3300, 0.1592



# Previews

## White Background



This preview shows how the Yxy color 72.0145, 0.3164, 0.2820 looks on a white background.

## Color Contrast Check

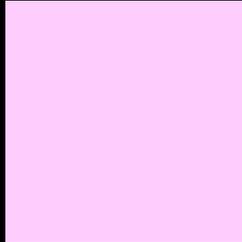
Large Text (above 18pt) WCAG AA × Fail

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 72.0145, 0.3164, 0.2820 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

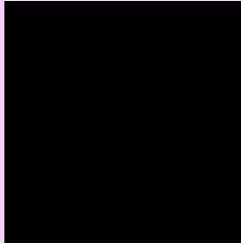
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.0145, 0.3164, 0.2820**

## Background



This preview shows how black text looks on a background with the Yxy color 72.0145, 0.3164, 0.2820.

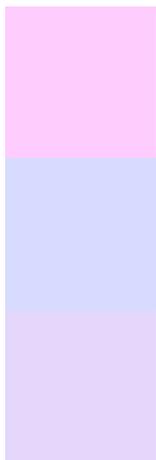


This preview shows how white text looks on a background with the Yxy color 72.0145, 0.3164, 0.2820.

# 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

72.0145, 0.3164, 0.2820

### Protanopia

72.1792, 0.2866, 0.2909

### Deuteranopia

72.0599, 0.2983, 0.2917



## Tritanopia

72.0934, 0.3322, 0.3128

# Trichromacy



## Original Color

72.0145, 0.3164, 0.2820



## Protanomaly

71.9069, 0.2971, 0.2878



## Deuteranomaly

71.7939, 0.3047, 0.2873



## Tritanomaly

71.8633, 0.3259, 0.3009

# Monochromacy



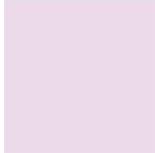
## Original Color

72.0145, 0.3164, 0.2820



## Achromatopsia

75.2942, 0.3127, 0.3290



## Achromatomaly

73.9738, 0.3143, 0.3114

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.0145, 0.3164, 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, 205, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 253)  
}
```

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, 205, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 253) }
```

## Border

The CSS property to change the border of an element to Yxy 72.0145, 0.3164, 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, 205, 253) }
```

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

```
.border{ border-color:rgb(255, 205, 253) }
```

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

Here you see how a box with a 4 pixel rgb(255, 205, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
253) }
```

# Background

The CSS property to change the background color of an element to Yxy 72.0145, 0.3164, 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, 205, 253) }
```

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

```
.background{ background-color: rgb(255,  
205, 253) }
```

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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