

# Converting Colors

$Y_{xy}(72.4334, 0.3142, 0.2810)$

Have a look what the booklet for  
Yxy(72.4334, 0.3142, 0.2810)  
contains.

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# Color

**Yxy(72.4334, 0.3142, 0.2810)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FECEFF
RGB	254, 206, 255
RGB Percent	100%, 81%, 100%
CMY	0.0040, 0.1921, 0.0000
CMYK	0.00, 0.19, 0.00, 0.00
HSL	299°, 100%, 90%
HSV	299°, 19%, 100%
XYZ	80.9914, 72.4334, 104.3453
YIQ	225.9380, 12.8790, 25.4150

# Conversions

## Conversions Part 2

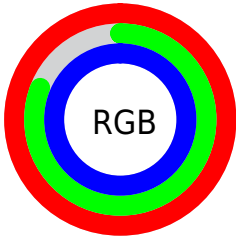
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	254, 206, 255
Decimal	16699135
CIE <sub>Lab</sub>	88.18, 24.99, -17.57
CIE <sub>LCh</sub>	88, 30.546, 324.894
Yxy	72.4334, 0.3142, 0.2810
Android (android.graphics.Color)	4294889215 (0xFFFECEFF)
YUV	225.9380, 14.3276, 24.6104
Hunter-Lab	85.1078, 20.9277, -13.1163

# Details

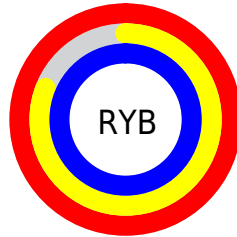
The Yxy color **72.4334, 0.3142, 0.2810** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **89.2472, 0.3109, 0.3819**, and the grayscale version is **75.8926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.0808, 0.3145, 0.2704** is the 20% darker color. If you saturate the color by 10%, you get **61.0355, 0.3149, 0.2558**, and if you desaturate by 10%, it is **85.8256, 0.3135, 0.3063**.

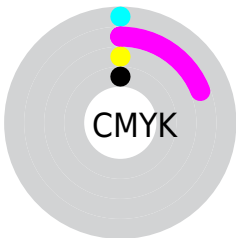
# Distribution



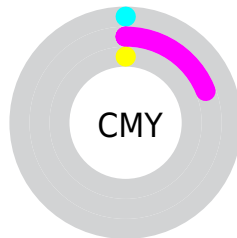
- Red (100%)
- Green (81%)
- Blue (100%)



- Red (100%)
- Yellow (81%)
- Blue (100%)



- Cyan (0%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (0%)
- Magenta (19%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.4334, 0.3142, 0.2810 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 72.4334, 0.3142, 0.2810 by changing the saturation by 10% instead.




 72.4334, 0.3142,  
0.2810

 72.4334, 0.3142,  
0.2810


469.0487, 0.3139,  
0.3023

 53.5128, 0.3142,  
0.2763

122.6725, 0.3142,  
0.2882

 38.2123, 0.3142,  
0.2707


154.7598, 0.3141,  
0.2911

 26.1475, 0.3140,  
0.2636


192.0048, 0.3141,  
0.2936

 16.9340, 0.3138,  
0.2547

234.7918, 0.3140,  
0.2958

 10.1875, 0.3133,  
0.2430

283.5054, 0.3140,  
0.2977

 5.5234, 0.3123,  
0.2270

338.5297, 0.3140,

 2.5575, 0.3102,

0.2994

0.2040

400.2494, 0.3139,  
0.3010

0.9054, 0.3050,  
0.1684

0.0000, 0.2930,  
0.0000

72.4334, 0.3142,  
0.2810

72.4334, 0.3142,  
0.2810

61.0355, 0.3149,  
0.2558

85.8256, 0.3135,  
0.3063

51.5325, 0.3155,  
0.2315

100.0000, 0.3127,  
0.3290

43.8218, 0.3160,  
0.2090

37.7896, 0.3163,  
0.1895

■ 33.3091, 0.3164,  
0.1736

■ 30.2357, 0.3163,  
0.1620

■ 28.3973, 0.3161,  
0.1548

■ 27.5350, 0.3157,  
0.1514

■ 27.4836, 0.3156,  
0.1512

# Harmonies

## Analogous

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



72.4334, 0.2789, 0.2696



72.4334, 0.3142, 0.2810



72.4334, 0.3510, 0.3034

# Triad

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



72.4334, 0.3142, 0.2810



72.4334, 0.3734, 0.3858



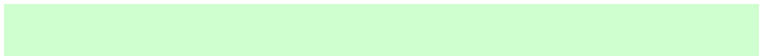
72.4334, 0.2513, 0.3200

# Complementary

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



72.4334, 0.3142, 0.2810



89.2472, 0.3109, 0.3819

# 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.



72.4334, 0.2740, 0.3558



72.4334, 0.3142, 0.2810



72.4334, 0.3443, 0.3953

# Square

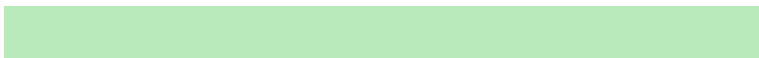
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.4334, 0.3142, 0.2810



72.4334, 0.3862, 0.3622



72.4334, 0.3079, 0.3846



72.4334, 0.2442, 0.2896



# Rectangle

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



72.4334, 0.3142, 0.2810



72.4334, 0.3708, 0.3223



72.4334, 0.3079, 0.3846



72.4334, 0.2572, 0.3319

# Sweetspot

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



72.4345, 0.3142, 0.2810



90.5631, 0.3132, 0.3143



65.2820, 0.2808, 0.2778



19.1742, 0.3132, 0.3127



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.



72.4345, 0.3142, 0.2810



67.8863, 0.3145, 0.2714



71.2422, 0.3312, 0.3029



18.2799, 0.3135, 0.3056



14.3695, 0.3157, 0.1513



1.4050, 0.3163, 0.1516



# Inverse Universe

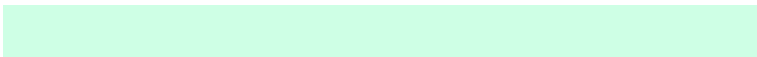
The Inverse Universe completely reimagines the original color for something new.



69.9148, 0.3500, 0.3281



64.9556, 0.3594, 0.3279



90.2935, 0.2976, 0.3567



17.9932, 0.3291, 0.3285



11.1176, 0.6380, 0.3288



1.0845, 0.6329, 0.3260



# Previews

## White Background



This preview shows how the Yxy color 72.4334, 0.3142, 0.2810 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

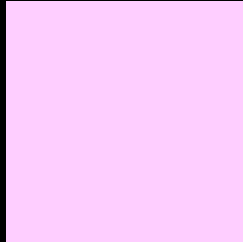
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.4334, 0.3142, 0.2810 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 72.4334, 0.3142, 0.2810**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.4334, 0.3142, 0.2810.



This preview shows how white text looks on a background with the Yxy color 72.4334, 0.3142, 0.2810.

# 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

72.4334, 0.3142, 0.2810

### Protanopia

72.7025, 0.2867, 0.2920

### Deuteranopia

72.6976, 0.2971, 0.2908



## Tritanopia

72.4586, 0.3306, 0.3128

# Trichromacy



## Original Color

72.4334, 0.3142, 0.2810

## Protanomaly

72.4789, 0.2965, 0.2878

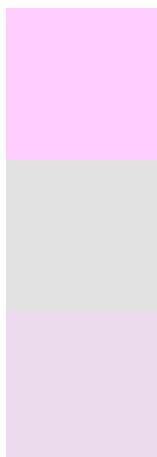
## Deuteranomaly

72.2472, 0.3027, 0.2864

## Tritanomaly

72.2246, 0.3244, 0.3009

# Monochromacy



## Original Color

72.4334, 0.3142, 0.2810

## Achromatopsia

76.0525, 0.3127, 0.3290

## Achromatomaly

74.6103, 0.3129, 0.3104

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.4334, 0.3142, 0.2810 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(254, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(254, 206, 255)  
}
```

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(254, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 206, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 72.4334, 0.3142, 0.2810 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(254, 206, 255) }
```

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

```
.border{ border-color:rgb(254, 206, 255) }
```

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

Here you see how a box with a 4 pixel rgb(254, 206, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(254, 206,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.4334, 0.3142, 0.2810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 206, 255) }
```

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

```
.background{ background-color: rgb(254,  
206, 255) }
```

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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