

# Converting Colors

$Y_{xy}(70.1309, 0.3361, 0.3023)$

Have a look what the booklet for  
Yxy(70.1309, 0.3361, 0.3023)  
contains.

<b>Yxy(69.6290, 0.3338, 0.3029)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# **Color**

**Yxy(69.6290, 0.3338, 0.3029)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCBE5
RGB	255, 203, 229
RGB Percent	100%, 80%, 90%
CMY	0.0001, 0.2039, 0.1020
CMYK	0.00, 0.20, 0.10, 0.00
HSL	330°, 100%, 90%
HSV	330°, 20%, 100%
XYZ	76.7321, 69.6290, 83.5134
YIQ	221.5120, 22.6460, 19.1100

# Conversions

## Conversions Part 2

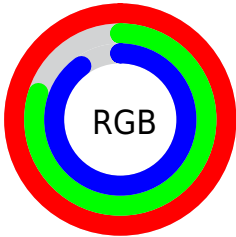
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 203, 229
Decimal	16763877
CIE Lab	86.81, 22.40, -5.81
CIE LCh	87, 23.142, 345.464
Yxy	69.6290, 0.3338, 0.3029
Android (android.graphics.Color)	4294953957 (0xFFFFCBE5)
YUV	221.5120, 3.6916, 29.3690
Hunter-Lab	83.4440, 18.1153, -0.9285

# Details

The Yxy color **69.6290, 0.3338, 0.3029** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **89.8654, 0.2958, 0.3567**, and the grayscale version is **72.6473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.5567, 0.3385, 0.2969** is the 20% darker color. If you saturate the color by 10%, you get **57.8754, 0.3474, 0.2894**, and if you desaturate by 10%, it is **83.4217, 0.3224, 0.3161**.

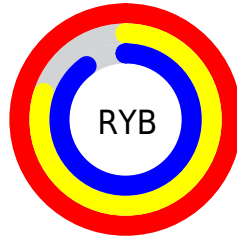
# Distribution



Red (100%)

Green (80%)

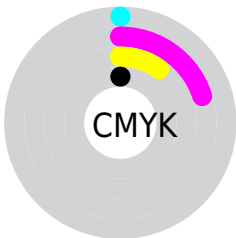
Blue (90%)



Red (100%)

Yellow (80%)

Blue (90%)

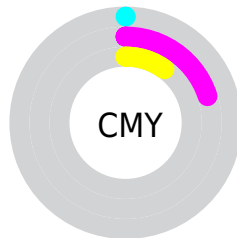


Cyan (0%)

Magenta (20%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (20%)


Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.6290, 0.3338, 0.3029 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 69.6290, 0.3338, 0.3029 by changing the saturation by 10% instead.



 69.6290, 0.3338,  
0.3029

 69.6290, 0.3338,  
0.3029


459.2463, 0.3241,  
0.3148

 51.2241, 0.3360,  
0.3002


118.6795, 0.3304,  
0.3070

 36.3870, 0.3387,  
0.2969


150.0940, 0.3291,  
0.3086

 24.7332, 0.3422,  
0.2927


186.6138, 0.3280,  
0.3100

 15.8784, 0.3467,  
0.2874

228.6233, 0.3270,  
0.3112

 9.4382, 0.3528,  
0.2801

276.5069, 0.3262,  
0.3123

 5.0281, 0.3616,  
0.2698


330.6490, 0.3254,


 2.2637, 0.3752,


0.3132


0.2540

391.4340, 0.3247,  
0.3141


 0.7544, 0.4001,  
0.2255


 0.0000, 0.9054,  
0.0000

 69.6290, 0.3338,  
0.3029


 69.6290, 0.3338,  
0.3029

 57.8754, 0.3474,  
0.2894


 83.4217, 0.3224,  
0.3161

 48.0537, 0.3636,  
0.2760

99.3354, 0.3130,  
0.3285

 40.0611, 0.3825,  
0.2636

99.9967, 0.3127,  
0.3290

 33.7813, 0.4040,  
0.2531

■ 29.0845, 0.4276,  
0.2458

■ 25.8221, 0.4525,  
0.2430

■ 23.8166, 0.4774,  
0.2457

■ 22.8003, 0.5002,  
0.2529

# Harmonies

## Analogous

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



69.6290, 0.3051, 0.2876



69.6290, 0.3338, 0.3029



69.6290, 0.3575, 0.3246

# Triad

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



69.6290, 0.3338, 0.3029



69.6290, 0.3454, 0.3790



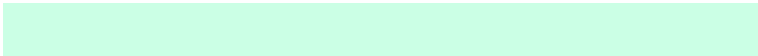
69.6290, 0.2597, 0.3056

# Complementary

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



69.6290, 0.3338, 0.3029



89.8654, 0.2958, 0.3567

# 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.



69.6290, 0.2695, 0.3311



69.6290, 0.3338, 0.3029



69.6290, 0.3183, 0.3753

# Square

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



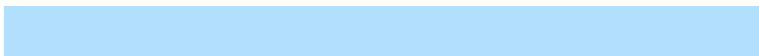
69.6290, 0.3338, 0.3029



69.6290, 0.3641, 0.3684



69.6290, 0.2907, 0.3573



69.6290, 0.2633, 0.2882



# Rectangle

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



69.6290, 0.3338, 0.3029



69.6290, 0.3667, 0.3405



69.6290, 0.2907, 0.3573



69.6290, 0.2616, 0.3135

# Sweetspot

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



69.6321, 0.3338, 0.3029



90.1405, 0.3181, 0.3216



66.5957, 0.2964, 0.2752



19.0742, 0.3187, 0.3208



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.



69.6321, 0.3338, 0.3029



65.1574, 0.3385, 0.2980



68.2882, 0.3536, 0.3291



18.1385, 0.3215, 0.3172



11.9456, 0.4965, 0.2509



1.1851, 0.4711, 0.2369



# Inverse Universe

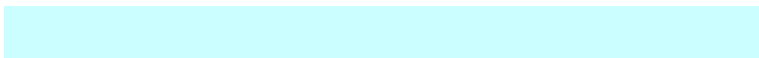
The Inverse Universe completely reimagines the original color for something new.



69.6321, 0.3338, 0.3029



65.1574, 0.3385, 0.2980



91.4265, 0.2822, 0.3289



18.1385, 0.3215, 0.3172



11.9456, 0.4965, 0.2509



1.1851, 0.4711, 0.2369



# Previews

## White Background



This preview shows how the Yxy color 69.6290, 0.3338, 0.3029 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

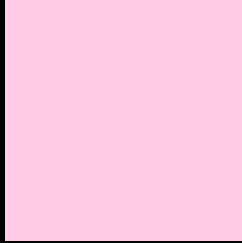
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.6290, 0.3338, 0.3029 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

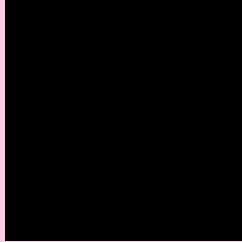
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.6290, 0.3338, 0.3029**

## Background



This preview shows how black text looks on a background with the Yxy color 69.6290, 0.3338, 0.3029.



This preview shows how white text looks on a background with the Yxy color 69.6290, 0.3338, 0.3029.

# 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

69.6290, 0.3338, 0.3029

### Protanopia

69.8251, 0.2990, 0.3063

### Deuteranopia

69.6270, 0.3187, 0.3121



## Tritanopia

69.4239, 0.3397, 0.3128

# Trichromacy



## Original Color

69.6290, 0.3338, 0.3029

## Protanomaly

69.3520, 0.3109, 0.3047

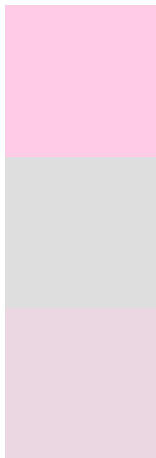
## Deuteranomaly

69.5904, 0.3242, 0.3083

## Tritanomaly

69.5843, 0.3374, 0.3098

# Monochromacy



## Original Color

69.6290, 0.3338, 0.3029

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

71.5295, 0.3198, 0.3185

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.6290, 0.3338, 0.3029 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, 203, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 229)  
}
```

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, 203, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 69.6290, 0.3338, 0.3029 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, 203, 229) }
```

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

```
.border{ border-color:rgb(255, 203, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 203, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.6290, 0.3338, 0.3029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 203, 229) }
```

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

```
.background{ background-color: rgb(255,  
203, 229) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor