

# Converting Colors

$Y_{xy}(69.1375, 0.3475, 0.3222)$

Have a look what the booklet for  
Yxy(69.1375, 0.3475, 0.3222)  
contains.

<b>Yxy(69.1489, 0.3473, 0.3219)</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(69.1489, 0.3473, 0.3219)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCCD3
RGB	255, 204, 211
RGB Percent	100%, 80%, 83%
CMY	0.0000, 0.2001, 0.1724
CMYK	0.00, 0.20, 0.17, 0.00
HSL	352°, 100%, 90%
HSV	352°, 20%, 100%
XYZ	74.6052, 69.1489, 71.0608
YIQ	220.0470, 28.1490, 12.9890

# Conversions

## Conversions Part 2

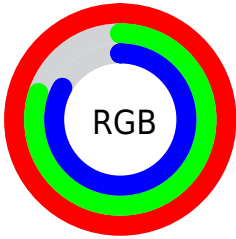
Format	Color
R <sub>Y</sub> B	255, 204, 211
Decimal	16764115
CIE Lab	86.58, 19.08, 3.38
CIE LCh	87, 19.377, 10.036
Yxy	69.1489, 0.3473, 0.3219
Android (android.graphics.Color)	4294954195 (0xFFFFCCD3)
YUV	220.0470, -4.4602, 30.6538
Hunter-Lab	83.1558, 14.6228, 7.5428

# Details

The Yxy color **69.1489, 0.3473, 0.3219** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **91.1301, 0.2863, 0.3363**, and the grayscale version is **71.6171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.2528, 0.3555, 0.3200** is the 20% darker color. If you saturate the color by 10%, you get **56.9709, 0.3710, 0.3181**, and if you desaturate by 10%, it is **83.4517, 0.3281, 0.3256**.

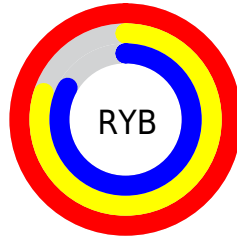
# Distribution



Red (100%)

Green (80%)

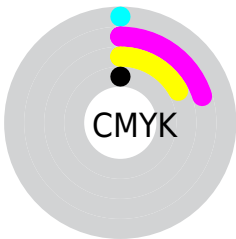
Blue (83%)



Red (100%)

Yellow (80%)

Blue (83%)

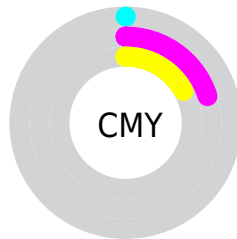


Cyan (0%)

Magenta (20%)

Yellow (17%)

Black (0%)



Cyan (0%)

Magenta (20%)


Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.1489, 0.3473, 0.3219 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 69.1489, 0.3473, 0.3219 by changing the saturation by 10% instead.



 69.1489, 0.3473,  
0.3219

 69.1489, 0.3473,  
0.3219

457.5560, 0.3311,  
0.3254

 50.8330, 0.3511,  
0.3211


117.9942, 0.3416,  
0.3231

 36.0757, 0.3557,  
0.3200


149.2924, 0.3394,  
0.3236

 24.4927, 0.3617,  
0.3186


185.6868, 0.3375,  
0.3240

 15.6995, 0.3696,  
0.3168

227.5619, 0.3359,  
0.3244

 9.3118, 0.3806,  
0.3142

275.3019, 0.3345,  
0.3247

 4.9451, 0.3966,  
0.3102


329.2913, 0.3332,


 2.2151, 0.4225,


0.3249


0.3033


389.9145, 0.3321,  
0.3252


 0.7282, 0.4827,  
0.2931


 0.0000, 1.0000,  
0.0000

 69.1489, 0.3473,  
0.3219


 69.1489, 0.3473,  
0.3219

 56.9709, 0.3710,  
0.3181


 83.4517, 0.3281,  
0.3256

 46.8305, 0.4003,  
0.3144

99.9904, 0.3127,  
0.3290

 38.6117, 0.4354,  
0.3113

100.0000, 0.3127,  
0.3290

 32.1928, 0.4760,  
0.3091

■ 27.4383, 0.5201,  
0.3088

■ 24.1931, 0.5634,  
0.3109

■ 22.2733, 0.5999,  
0.3156

■ 21.3826, 0.6250,  
0.3217

# Harmonies

## Analogous

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



69.1489, 0.3262, 0.3041



69.1489, 0.3473, 0.3219



69.1489, 0.3589, 0.3420

# Triad

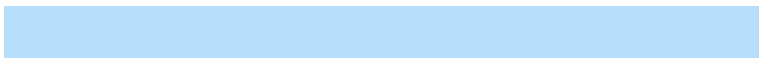
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.1489, 0.3473, 0.3219



69.1489, 0.3220, 0.3691



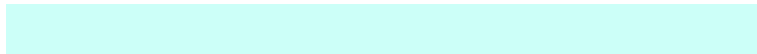
69.1489, 0.2696, 0.2968

# Complementary

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



69.1489, 0.3473, 0.3219



91.1301, 0.2863, 0.3363

# 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.



69.1489, 0.2687, 0.3131



69.1489, 0.3473, 0.3219



69.1489, 0.2983, 0.3560

# Square

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



69.1489, 0.3473, 0.3219



69.1489, 0.3438, 0.3701



69.1489, 0.2789, 0.3350



69.1489, 0.2816, 0.2896



# Rectangle

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



69.1489, 0.3473, 0.3219



69.1489, 0.3595, 0.3544



69.1489, 0.2789, 0.3350



69.1489, 0.2680, 0.3013

# Sweetspot

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



69.1437, 0.3473, 0.3219



89.8032, 0.3215, 0.3270



70.2366, 0.3095, 0.2783



18.9946, 0.3226, 0.3267



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

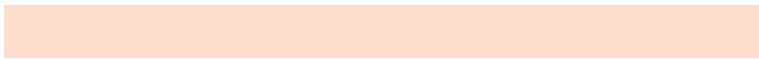
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.1437, 0.3473, 0.3219



64.0307, 0.3562, 0.3204



77.7771, 0.3492, 0.3472



18.0279, 0.3273, 0.3257



11.1852, 0.6222, 0.3201



1.1009, 0.5963, 0.3059



# Inverse Universe

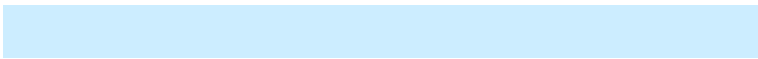
The Inverse Universe completely reimagines the original color for something new.



69.1437, 0.3473, 0.3219



64.0307, 0.3562, 0.3204



80.7079, 0.2815, 0.3100



18.0279, 0.3273, 0.3257



11.1852, 0.6222, 0.3201



1.1009, 0.5963, 0.3059



# Previews

## White Background



This preview shows how the Yxy color 69.1489, 0.3473, 0.3219 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

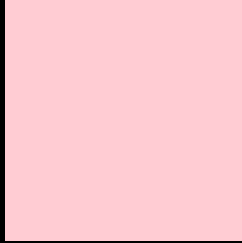
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.1489, 0.3473, 0.3219 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 69.1489, 0.3473, 0.3219**

## Background



This preview shows how black text looks on a background with the Yxy color 69.1489, 0.3473, 0.3219.



This preview shows how white text looks on a background with the Yxy color 69.1489, 0.3473, 0.3219.

# 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

69.1489, 0.3473, 0.3219

### Protanopia

69.3893, 0.3143, 0.3268

### Deuteranopia

69.2716, 0.3354, 0.3291



## Tritanopia

69.0338, 0.3421, 0.3138

# Trichromacy



## Original Color

69.1489, 0.3473, 0.3219

## Protanomaly

69.3169, 0.3263, 0.3258

## Deuteranomaly

69.1774, 0.3396, 0.3270

## Tritanomaly

68.8782, 0.3444, 0.3169

# Monochromacy



## Original Color

69.1489, 0.3473, 0.3219

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

70.4265, 0.3247, 0.3258

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.1489, 0.3473, 0.3219 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, 204, 211)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 211)  
}
```

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, 204, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 69.1489, 0.3473, 0.3219 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, 204, 211) }
```

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

```
.border{ border-color:rgb(255, 204, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 204, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 211);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
211) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.1489, 0.3473, 0.3219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 211) }
```

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

```
.background{ background-color: rgb(255,  
204, 211) }
```

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