

Converting Colors

$Y_{xy}(96.0003, 0.4143, 0.3125)$

Have a look what the booklet for
Yxy(96.0003, 0.4143, 0.3125)
contains.

Yxy(69.9367, 0.3359, 0.3069)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(69.9367, 0.3359, 0.3069)

Conversions

Conversions Part 1

Format	Color
Hex	FFCCE2
RGB	255, 204, 226
RGB Percent	100%, 80%, 89%
CMY	0.0002, 0.1999, 0.1138
CMYK	0.00, 0.20, 0.11, 0.00
HSL	334°, 100%, 90%
HSV	334°, 20%, 100%
XYZ	76.5453, 69.9367, 81.3991
YIQ	221.7570, 23.3340, 17.6540

Conversions

Conversions Part 2

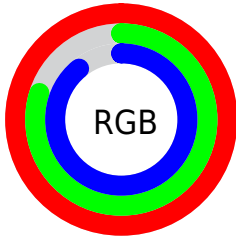
Format	Color
R _Y B	255, 204, 226
Decimal	16764130
CIE Lab	86.97, 21.37, -3.99
CIE LCh	87, 21.741, 349.426
Yxy	69.9367, 0.3359, 0.3069
Android (android.graphics.Color)	4294954210 (0xFFFFCCE2)
YUV	221.7570, 2.0918, 29.1541
Hunter-Lab	83.6282, 17.0326, 0.8300

Details

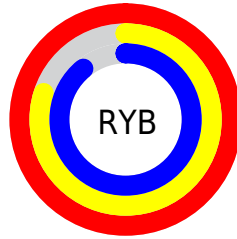
The Yxy color **69.9367, 0.3359, 0.3069** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **90.2162, 0.2943, 0.3522**, and the grayscale version is **72.8383, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.7587, 0.3413, 0.3019** is the 20% darker color. If you saturate the color by 10%, you get **58.0310, 0.3513, 0.2952**, and if you desaturate by 10%, it is **83.8998, 0.3232, 0.3183**.

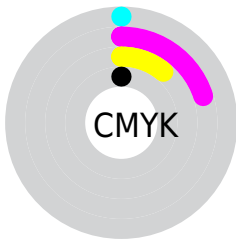
Distribution



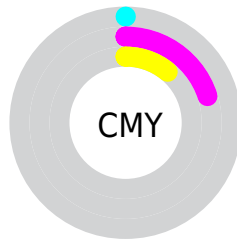
- Red (100%)
- Green (80%)
- Blue (89%)



- Red (100%)
- Yellow (80%)
- Blue (89%)



- Cyan (0%)
- Magenta (20%)
- Yellow (11%)
- Black (0%)





- Cyan (0%)
- Magenta (20%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.9367, 0.3359, 0.3069 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 69.9367, 0.3359, 0.3069 by changing the saturation by 10% instead.

 69.9367, 0.3359,
0.3069

 69.9367, 0.3359,
0.3069

460.3277, 0.3252,
0.3170

 51.4749, 0.3384,
0.3046


119.1185, 0.3322,
0.3104

 36.5867, 0.3414,
0.3018


150.6073, 0.3307,
0.3118

 24.8877, 0.3452,
0.2982


187.2072, 0.3295,
0.3130

 15.9934, 0.3503,
0.2936

229.3027, 0.3284,
0.3140

 9.5195, 0.3571,
0.2873

277.2781, 0.3274,
0.3149

 5.0815, 0.3671,
0.2783

331.5178, 0.3266,

 2.2952, 0.3827,

0.3157

0.2644

392.4062, 0.3258,
0.3164

0.7712, 0.4113,
0.2392

0.0000, 1.0000,
0.0000

69.9367, 0.3359,
0.3069

69.9367, 0.3359,
0.3069

58.0310, 0.3513,
0.2952

83.8998, 0.3232,
0.3183

48.0753, 0.3698,
0.2836

99.9910, 0.3127,
0.3290

39.9666, 0.3915,
0.2727

99.9915, 0.3127,
0.3290

33.5884, 0.4165,
0.2638

■ 28.8110, 0.4443,
0.2579

■ 25.4861, 0.4735,
0.2564

■ 23.4371, 0.5026,
0.2603

■ 22.3770, 0.5296,
0.2691

■ 22.3749, 0.5297,
0.2692

Harmonies

Analogous

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



69.9367, 0.3091, 0.2915



69.9367, 0.3359, 0.3069



69.9367, 0.3569, 0.3279

Triad

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



69.9367, 0.3359, 0.3069



69.9367, 0.3404, 0.3762



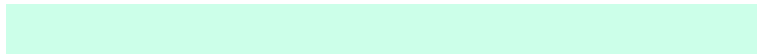
69.9367, 0.2626, 0.3045

Complementary

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



69.9367, 0.3359, 0.3069



90.2162, 0.2943, 0.3522

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.



69.9367, 0.2702, 0.3276



69.9367, 0.3359, 0.3069



69.9367, 0.3145, 0.3708

Square

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



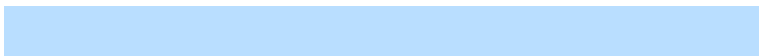
69.9367, 0.3359, 0.3069



69.9367, 0.3593, 0.3680



69.9367, 0.2889, 0.3525



69.9367, 0.2676, 0.2893

Rectangle

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



69.9367, 0.3359, 0.3069



69.9367, 0.3643, 0.3429



69.9367, 0.2889, 0.3525



69.9367, 0.2638, 0.3115

Sweetspot

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



69.9398, 0.3359, 0.3069



90.0756, 0.3188, 0.3226



67.7202, 0.2992, 0.2767



19.0588, 0.3195, 0.3219



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.



69.9398, 0.3359, 0.3069



64.9313, 0.3418, 0.3022



70.4430, 0.3519, 0.3326



18.1171, 0.3226, 0.3188



11.7246, 0.5256, 0.2669



1.1630, 0.4967, 0.2510

Inverse Universe

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



69.9398, 0.3359, 0.3069



64.9313, 0.3418, 0.3022



89.4032, 0.2825, 0.3254



18.1171, 0.3226, 0.3188



11.7246, 0.5256, 0.2669



1.1630, 0.4967, 0.2510

Previews

White Background



This preview shows how the Yxy color 69.9367, 0.3359, 0.3069 looks on a white background.

Color Contrast Check

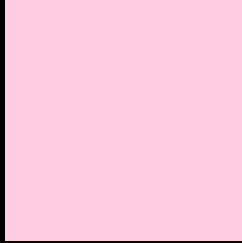
Large Text (above 18pt) WCAG AA × Fail

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 69.9367, 0.3359, 0.3069 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 69.9367, 0.3359, 0.3069

Background



This preview shows how black text looks on a background with the Yxy color 69.9367, 0.3359, 0.3069.



This preview shows how white text looks on a background with the Yxy color 69.9367, 0.3359, 0.3069.

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

69.9367, 0.3359, 0.3069

Protanopia

70.3179, 0.3016, 0.3106

Deuteranopia

69.8576, 0.3216, 0.3143



Tritanopia

69.9539, 0.3388, 0.3128

Trichromacy



Original Color

69.9367, 0.3359, 0.3069

Protanomaly

69.8454, 0.3137, 0.3089

Deuteranomaly

69.6027, 0.3271, 0.3114

Tritanomaly

70.0612, 0.3373, 0.3108

Monochromacy



Original Color

69.9367, 0.3359, 0.3069

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

71.4210, 0.3211, 0.3206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.9367, 0.3359, 0.3069 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 226)  
}
```

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, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 226) }
```

Border

The CSS property to change the border of an element to Yxy 69.9367, 0.3359, 0.3069 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, 226) }
```

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

```
.border{ border-color:rgb(255, 204, 226) }
```

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, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 204, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 204, 226); box-shadow:4px 4px 4px 4px rgb(255, 204, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 69.9367, 0.3359, 0.3069 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, 226) }
```

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

```
.background{ background-color: rgb(255,  
204, 226) }
```

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