

Converting Colors

$Y_{xy}(69.7289, 0.3388, 0.3107)$

Have a look what the booklet for
Yxy(69.7289, 0.3388, 0.3107)
contains.

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Color

Yxy(69.7197, 0.3389, 0.3108)

Conversions

Conversions Part 1

Format	Color
Hex	FFCCDE
RGB	255, 204, 222
RGB Percent	100%, 80%, 87%
CMY	0.0000, 0.2000, 0.1293
CMYK	0.00, 0.20, 0.13, 0.00
HSL	339°, 100%, 90%
HSV	339°, 20%, 100%
XYZ	76.0232, 69.7197, 78.5805
YIQ	221.3010, 24.6180, 16.4100

Conversions

Conversions Part 2

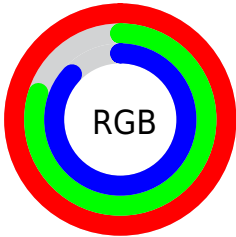
Format	Color
R _Y B	255, 204, 222
Decimal	16764126
CIE Lab	86.86, 20.77, -2.05
CIE LCh	87, 20.872, 354.354
Yxy	69.7197, 0.3389, 0.3108
Android (android.graphics.Color)	4294954206 (0xFFFFCCDE)
YUV	221.3010, 0.3446, 29.5540
Hunter-Lab	83.4983, 16.3978, 2.6509

Details

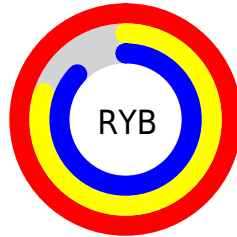
The Yxy color **69.7197, 0.3389, 0.3108** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **90.4697, 0.2921, 0.3480**, and the grayscale version is **72.5150, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.6085, 0.3453, 0.3070** is the 20% darker color. If you saturate the color by 10%, you get **57.7344, 0.3565, 0.3011**, and if you desaturate by 10%, it is **83.7789, 0.3245, 0.3202**.

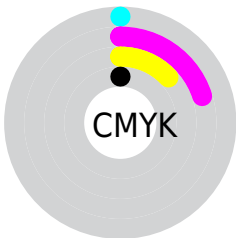
Distribution



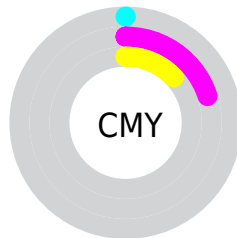
- Red (100%)
- Green (80%)
- Blue (87%)



- Red (100%)
- Yellow (80%)
- Blue (87%)



- Cyan (0%)
- Magenta (20%)
- Yellow (13%)
- Black (0%)





- Cyan (0%)
- Magenta (20%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.7197, 0.3389, 0.3108 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 69.7197, 0.3389, 0.3108 by changing the saturation by 10% instead.


 69.7197, 0.3389,
0.3108

 69.7197, 0.3389,
0.3108

459.5652, 0.3267,
0.3192

 51.2981, 0.3417,
0.3089


118.8089, 0.3347,
0.3137

 36.4459, 0.3452,
0.3065


150.2453, 0.3330,
0.3149

 24.7787, 0.3496,
0.3035


186.7887, 0.3316,
0.3158

 15.9123, 0.3554,
0.2996

228.8236, 0.3304,
0.3167

 9.4621, 0.3633,
0.2942

276.7343, 0.3293,
0.3174

 5.0438, 0.3749,
0.2865


330.9052, 0.3283,


 2.2730, 0.3932,


0.3181

0.2744

391.7207, 0.3275,
0.3187


 0.7594, 0.4274,
0.2514


 0.0000, 1.0000,
0.0000

 69.7197, 0.3389,
0.3108


 69.7197, 0.3389,
0.3108

 57.7344, 0.3565,
0.3011

 83.7789, 0.3245,
0.3202

 47.7194, 0.3777,
0.2915

99.9997, 0.3127,
0.3290

 39.5692, 0.4030,
0.2827

100.0000, 0.3127,
0.3290

 33.1664, 0.4322,
0.2756

■ 28.3802, 0.4646,
0.2715

■ 25.0611, 0.4986,
0.2716

■ 23.0311, 0.5317,
0.2768

■ 22.0011, 0.5612,
0.2865

Harmonies

Analogous

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



69.7197, 0.3136, 0.2948



69.7197, 0.3389, 0.3108



69.7197, 0.3575, 0.3316

Triad

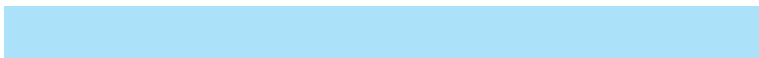
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.7197, 0.3389, 0.3108



69.7197, 0.3355, 0.3744



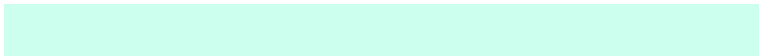
69.7197, 0.2644, 0.3024

Complementary

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



69.7197, 0.3389, 0.3108



90.4697, 0.2921, 0.3480

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.



69.7197, 0.2698, 0.3238



69.7197, 0.3389, 0.3108



69.7197, 0.3102, 0.3669

Square

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



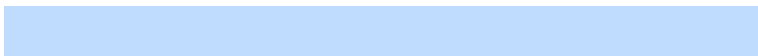
69.7197, 0.3389, 0.3108



69.7197, 0.3552, 0.3686



69.7197, 0.2863, 0.3479



69.7197, 0.2713, 0.2894

Rectangle

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



69.7197, 0.3389, 0.3108



69.7197, 0.3631, 0.3459



69.7197, 0.2863, 0.3479



69.7197, 0.2649, 0.3088

Sweetspot

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



69.7213, 0.3389, 0.3108



90.0030, 0.3195, 0.3238



68.2898, 0.3016, 0.2770



19.0417, 0.3203, 0.3232



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.



69.7213, 0.3389, 0.3108



64.6836, 0.3455, 0.3070



72.1086, 0.3513, 0.3361



18.0932, 0.3238, 0.3206



11.5216, 0.5569, 0.2842



1.1417, 0.5255, 0.2668

Inverse Universe

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



69.7213, 0.3389, 0.3108



64.6836, 0.3455, 0.3070



87.3151, 0.2823, 0.3218



18.0932, 0.3238, 0.3206



11.5216, 0.5569, 0.2842



1.1417, 0.5255, 0.2668

Previews

White Background



This preview shows how the Yxy color 69.7197, 0.3389, 0.3108 looks on a white background.

Color Contrast Check

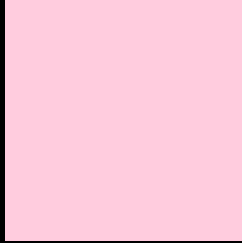
Large Text (above 18pt) WCAG AA × Fail

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 69.7197, 0.3389, 0.3108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

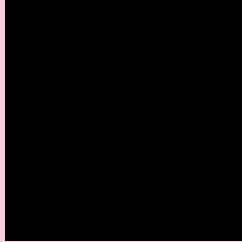
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.7197, 0.3389, 0.3108

Background



This preview shows how black text looks on a background with the Yxy color 69.7197, 0.3389, 0.3108.



This preview shows how white text looks on a background with the Yxy color 69.7197, 0.3389, 0.3108.

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

69.7197, 0.3389, 0.3108

Protanopia

69.6743, 0.3055, 0.3148

Deuteranopia

69.8135, 0.3251, 0.3185



Tritanopia

69.6130, 0.3404, 0.3128

Trichromacy



Original Color

69.7197, 0.3389, 0.3108

Protanomaly

69.5669, 0.3171, 0.3141

Deuteranomaly

69.5653, 0.3307, 0.3155

Tritanomaly

69.6662, 0.3397, 0.3118

Monochromacy



Original Color

69.7197, 0.3389, 0.3108

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

71.1450, 0.3218, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.7197, 0.3389, 0.3108 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, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 222)  
}
```

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, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 222) }
```

Border

The CSS property to change the border of an element to Yxy 69.7197, 0.3389, 0.3108 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, 222) }
```

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

```
.border{ border-color:rgb(255, 204, 222) }
```

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, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 69.7197, 0.3389, 0.3108 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, 222) }
```

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

```
.background{ background-color: rgb(255,  
204, 222) }
```

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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