

Converting Colors

$Y_{xy}(72.6788, 0.3571, 0.3193)$

Have a look what the booklet for
Yxy(72.6788, 0.3571, 0.3193)
contains.

Yxy(69.3008, 0.3450, 0.3189)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(69.3008, 0.3450, 0.3189)

Conversions

Conversions Part 1

Format	Color
Hex	FFCCD6
RGB	255, 204, 214
RGB Percent	100%, 80%, 84%
CMY	0.0000, 0.2000, 0.1608
CMYK	0.00, 0.20, 0.16, 0.00
HSL	348°, 100%, 90%
HSV	348°, 20%, 100%
XYZ	74.9726, 69.3008, 73.0386
YIQ	220.3890, 27.1860, 13.9220

Conversions

Conversions Part 2

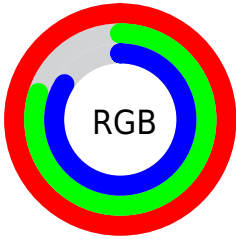
Format	Color
R_{YB}	255, 204, 214
Decimal	16764118
CIE _{Lab}	86.65, 19.51, 1.91
CIE _{LCh}	87, 19.606, 5.594
Yxy	69.3008, 0.3450, 0.3189
Android (android.graphics.Color)	4294954198 (0xFFFFCCD6)
YUV	220.3890, -3.1498, 30.3538
Hunter-Lab	83.2471, 15.0753, 6.2537

Details

The Yxy color **69.3008, 0.3450, 0.3189** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **90.9508, 0.2879, 0.3394**, and the grayscale version is **71.8640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.3217, 0.3534, 0.3173** is the 20% darker color. If you saturate the color by 10%, you get **57.1734, 0.3671, 0.3135**, and if you desaturate by 10%, it is **83.5464, 0.3271, 0.3241**.

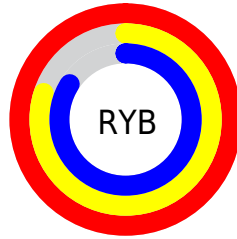
Distribution



Red (100%)

Green (80%)

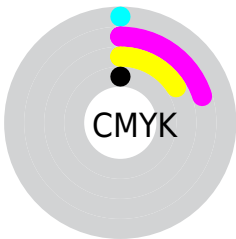
Blue (84%)



Red (100%)

Yellow (80%)

Blue (84%)

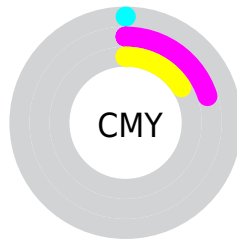


Cyan (0%)

Magenta (20%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (20%)

Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.3008, 0.3450, 0.3189 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 69.3008, 0.3450, 0.3189 by changing the saturation by 10% instead.

 69.3008, 0.3450,
0.3189

 69.3008, 0.3450,
0.3189

458.0912, 0.3299,
0.3237

 50.9567, 0.3485,
0.3178

118.2111, 0.3397,
0.3206

 36.1742, 0.3529,
0.3164

149.5461, 0.3377,
0.3212

 24.5687, 0.3584,
0.3145


185.9802, 0.3359,
0.3218

 15.7560, 0.3657,
0.3121

227.8979, 0.3344,
0.3223

 9.3517, 0.3759,
0.3088

275.6834, 0.3331,
0.3227

 4.9713, 0.3907,
0.3037

329.7211, 0.3319,

 2.2304, 0.4145,

0.3231

0.2954

390.3956, 0.3308,
0.3234

0.7365, 0.4653,
0.2803

0.0000, 1.0000,
0.0000

69.3008, 0.3450,
0.3189

69.3008, 0.3450,
0.3189

57.1734, 0.3671,
0.3135

83.5464, 0.3271,
0.3241

47.0600, 0.3941,
0.3082

100.0000, 0.3127,
0.3290

38.8518, 0.4266,
0.3036

32.4286, 0.4643,
0.3002

■ 27.6566, 0.5057,
0.2991

■ 24.3827, 0.5473,
0.3012

■ 22.4251, 0.5844,
0.3068

■ 21.4900, 0.6126,
0.3148

■ 21.4900, 0.6126,
0.3148

Harmonies

Analogous

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



69.3008, 0.3228, 0.3016



69.3008, 0.3450, 0.3189



69.3008, 0.3585, 0.3392

Triad

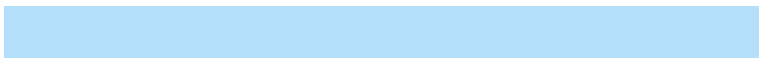
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.3008, 0.3450, 0.3189



69.3008, 0.3256, 0.3705



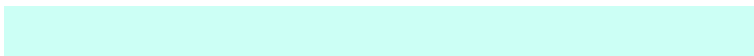
69.3008, 0.2683, 0.2983

Complementary

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



69.3008, 0.3450, 0.3189



90.9508, 0.2879, 0.3394

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.



69.3008, 0.2690, 0.3160



69.3008, 0.3450, 0.3189



69.3008, 0.3015, 0.3589

Square

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



69.3008, 0.3450, 0.3189



69.3008, 0.3468, 0.3697



69.3008, 0.2810, 0.3384



69.3008, 0.2788, 0.2896

Rectangle

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



69.3008, 0.3450, 0.3189



69.3008, 0.3604, 0.3521



69.3008, 0.2810, 0.3384



69.3008, 0.2672, 0.3034

Sweetspot

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



69.3018, 0.3450, 0.3189



89.8565, 0.3210, 0.3261



69.7836, 0.3077, 0.2780



19.0072, 0.3220, 0.3258



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

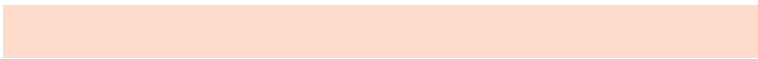
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.3018, 0.3450, 0.3189



64.2007, 0.3533, 0.3168



76.4405, 0.3497, 0.3447



18.0452, 0.3263, 0.3244



11.2454, 0.6090, 0.3129



1.1094, 0.5795, 0.2966

Inverse Universe

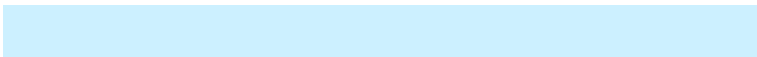
The Inverse Universe completely reimagines the original color for something new.



69.3018, 0.3450, 0.3189



64.2007, 0.3533, 0.3168



82.2019, 0.2817, 0.3128



18.0452, 0.3263, 0.3244



11.2454, 0.6090, 0.3129



1.1094, 0.5795, 0.2966

Previews

White Background



This preview shows how the Yxy color 69.3008, 0.3450, 0.3189 looks on a white background.

Color Contrast Check

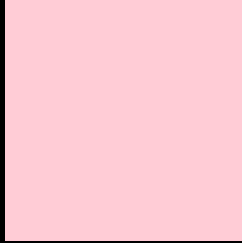
Large Text (above 18pt) WCAG AA × Fail

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 69.3008, 0.3450, 0.3189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

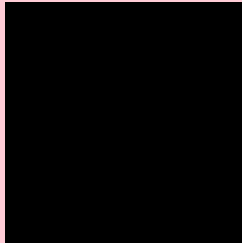
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.3008, 0.3450, 0.3189

Background



This preview shows how black text looks on a background with the Yxy color 69.3008, 0.3450, 0.3189.



This preview shows how white text looks on a background with the Yxy color 69.3008, 0.3450, 0.3189.

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

69.3008, 0.3450, 0.3189

Protanopia

69.5478, 0.3123, 0.3235

Deuteranopia

69.4225, 0.3333, 0.3259



Tritanopia

69.0863, 0.3413, 0.3128

Trichromacy



Original Color

69.3008, 0.3450, 0.3189

Protanomaly

69.4726, 0.3242, 0.3226

Deuteranomaly

69.3283, 0.3374, 0.3238

Tritanomaly

68.9816, 0.3429, 0.3148

Monochromacy



Original Color

69.3008, 0.3450, 0.3189

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

70.4787, 0.3240, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.3008, 0.3450, 0.3189 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, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 214)  
}
```

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, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 214) }
```

Border

The CSS property to change the border of an element to Yxy 69.3008, 0.3450, 0.3189 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, 214) }
```

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

```
.border{ border-color:rgb(255, 204, 214) }
```

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, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 69.3008, 0.3450, 0.3189 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, 214) }
```

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

```
.background{ background-color: rgb(255,  
204, 214) }
```

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