

Converting Colors

$Y_{xy}(69.6289, 0.3328, 0.3014)$

Have a look what the booklet for
Yxy(69.6289, 0.3328, 0.3014)
contains.

Yxy(69.6850, 0.3331, 0.3019)	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(69.6850, 0.3331, 0.3019)

Conversions

Conversions Part 1

Format	Color
Hex	FFCBE6
RGB	255, 203, 230
RGB Percent	100%, 80%, 90%
CMY	0.0000, 0.2039, 0.0981
CMYK	0.00, 0.20, 0.10, 0.00
HSL	329°, 100%, 90%
HSV	329°, 20%, 100%
XYZ	76.8866, 69.6850, 84.2498
YIQ	221.6260, 22.3250, 19.4210

Conversions

Conversions Part 2

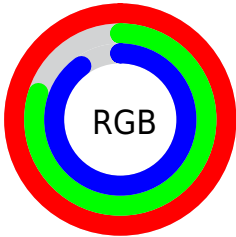
Format	Color
R_{YB}	255, 203, 230
Decimal	16763878
CIE _{Lab}	86.84, 22.60, -6.30
CIE _{LCh}	87, 23.456, 344.426
Yxy	69.6850, 0.3331, 0.3019
Android (android.graphics.Color)	4294953958 (0xFFFFCBE6)
YUV	221.6260, 4.1284, 29.2690
Hunter-Lab	83.4775, 18.3210, -1.4042

Details

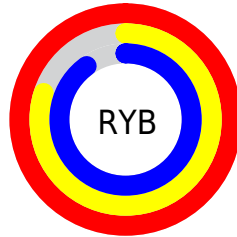
The Yxy color **69.6850, 0.3331, 0.3019** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **89.8175, 0.2963, 0.3578**, and the grayscale version is **72.7232, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.5958, 0.3375, 0.2956** is the 20% darker color. If you saturate the color by 10%, you get **57.9470, 0.3462, 0.2879**, and if you desaturate by 10%, it is **83.4448, 0.3221, 0.3155**.

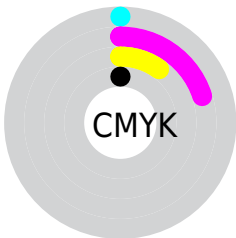
Distribution



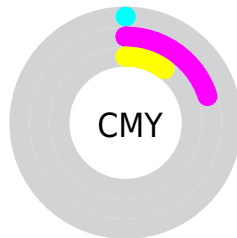
- Red (100%)
- Green (80%)
- Blue (90%)



- 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 69.6850, 0.3331, 0.3019 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 69.6850, 0.3331, 0.3019 by changing the saturation by 10% instead.

 69.6850, 0.3331,
0.3019

 69.6850, 0.3331,
0.3019


459.4432, 0.3237,
0.3143

 51.2698, 0.3352,
0.2991

118.7594, 0.3299,
0.3062

 36.4234, 0.3379,
0.2957


150.1874, 0.3286,
0.3078

 24.7613, 0.3412,
0.2914


186.7218, 0.3275,
0.3093

 15.8993, 0.3455,
0.2858

228.7470, 0.3266,
0.3105

 9.4529, 0.3513,
0.2783

276.6473, 0.3257,
0.3116

 5.0378, 0.3597,
0.2677


330.8072, 0.3250,


 2.2694, 0.3728,


0.3126

0.2515


391.6110, 0.3243,
0.3135


 0.7575, 0.3963,
0.2225


 0.0000, 0.7862,
0.0000

 69.6850, 0.3331,
0.3019


 69.6850, 0.3331,
0.3019

 57.9470, 0.3462,
0.2879


 83.4448, 0.3221,
0.3155

 48.1443, 0.3617,
0.2741

99.3285, 0.3130,
0.3285

 40.1671, 0.3797,
0.2611

100.0000, 0.3127,
0.3290

 33.8993, 0.4002,
0.2502

■ 29.2113, 0.4227,
0.2425

■ 25.9544, 0.4464,
0.2393

■ 23.9514, 0.4701,
0.2415

■ 22.9355, 0.4919,
0.2483

Harmonies

Analogous

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



69.6850, 0.3040, 0.2867



69.6850, 0.3331, 0.3019



69.6850, 0.3575, 0.3237

Triad

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



69.6850, 0.3331, 0.3019



69.6850, 0.3466, 0.3795



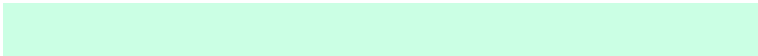
69.6850, 0.2592, 0.3061

Complementary

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



69.6850, 0.3331, 0.3019



89.8175, 0.2963, 0.3578

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.



69.6850, 0.2695, 0.3320



69.6850, 0.3331, 0.3019



69.6850, 0.3194, 0.3763

Square

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



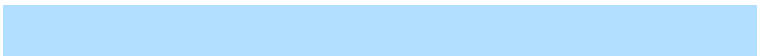
69.6850, 0.3331, 0.3019



69.6850, 0.3652, 0.3683



69.6850, 0.2913, 0.3585



69.6850, 0.2623, 0.2881

Rectangle

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



69.6850, 0.3331, 0.3019



69.6850, 0.3671, 0.3398



69.6850, 0.2913, 0.3585



69.6850, 0.2612, 0.3141

Sweetspot

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



69.6813, 0.3331, 0.3019



90.1587, 0.3179, 0.3213



66.3027, 0.2951, 0.2750



19.0785, 0.3185, 0.3205



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.



69.6813, 0.3331, 0.3019



65.2217, 0.3375, 0.2969



68.3635, 0.3523, 0.3273



18.1446, 0.3212, 0.3167



12.0147, 0.4884, 0.2464



1.1919, 0.4640, 0.2330

Inverse Universe

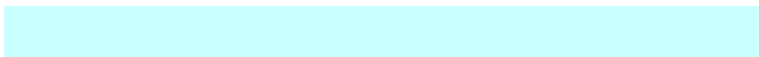
The Inverse Universe completely reimagines the original color for something new.



69.6813, 0.3331, 0.3019



65.2217, 0.3375, 0.2969



91.3245, 0.2830, 0.3307



18.1446, 0.3212, 0.3167



12.0147, 0.4884, 0.2464



1.1919, 0.4640, 0.2330

Previews

White Background



This preview shows how the Yxy color 69.6850, 0.3331, 0.3019 looks on a white background.

Color Contrast Check

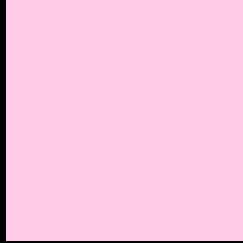
Large Text (above 18pt) WCAG AA × Fail

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 69.6850, 0.3331, 0.3019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

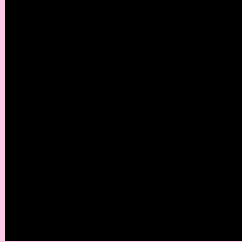
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.6850, 0.3331, 0.3019

Background



This preview shows how black text looks on a background with the Yxy color 69.6850, 0.3331, 0.3019.



This preview shows how white text looks on a background with the Yxy color 69.6850, 0.3331, 0.3019.

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

69.6850, 0.3331, 0.3019

Protanopia

69.8837, 0.2983, 0.3052

Deuteranopia

69.6824, 0.3180, 0.3111



Tritanopia

69.9008, 0.3395, 0.3138

Trichromacy



Original Color

69.6850, 0.3331, 0.3019

Protanomaly

69.4097, 0.3103, 0.3036

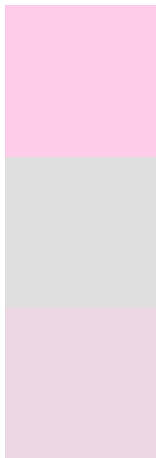
Deuteranomaly

69.6461, 0.3235, 0.3073

Tritanomaly

69.6384, 0.3366, 0.3088

Monochromacy



Original Color

69.6850, 0.3331, 0.3019

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 69.6850, 0.3331, 0.3019 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 230) }
```

Border

The CSS property to change the border of an element to Yxy 69.6850, 0.3331, 0.3019 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, 230) }
```

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

```
.border{ border-color:rgb(255, 203, 230) }
```

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, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 69.6850, 0.3331, 0.3019 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, 230) }
```

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

```
.background{ background-color: rgb(255,  
203, 230) }
```

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