

# Converting Colors

$Y_{xy}(70.9818, 0.3228, 0.2894)$

Have a look what the booklet for  
Yxy(70.9818, 0.3228, 0.2894)  
contains.

<b>Yxy(70.9774, 0.3228, 0.2894)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(70.9774, 0.3228, 0.2894)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCCF4
RGB	255, 204, 244
RGB Percent	100%, 80%, 96%
CMY	0.0000, 0.2000, 0.0432
CMYK	0.00, 0.20, 0.04, 0.00
HSL	313°, 100%, 90%
HSV	313°, 20%, 100%
XYZ	79.1690, 70.9774, 95.1107
YIQ	223.8090, 17.5560, 23.2520

# Conversions

## Conversions Part 2

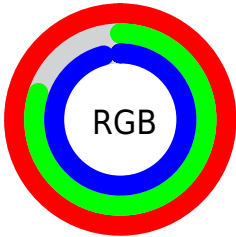
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 204, 244
Decimal	16764148
CIE <sub>Lab</sub>	87.47, 24.44, -12.78
CIE <sub>LCh</sub>	87, 27.577, 332.389
Yxy	70.9774, 0.3228, 0.2894
Android (android.graphics.Color)	4294954228 (0xFFFFCCF4)
YUV	223.8090, 9.9542, 27.3545
Hunter-Lab	84.2481, 20.3045, -7.9610

# Details

The Yxy color  $70.9774, 0.3228, 0.2894$  is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be  $89.2630, 0.3040, 0.3721$ , and the grayscale version is  $74.3127, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $37.4493, 0.3248, 0.2811$  is the 20% darker color. If you saturate the color by 10%, you get  $59.5004, 0.3290, 0.2690$ , and if you desaturate by 10%, it is  $84.4438, 0.3174, 0.3096$ .

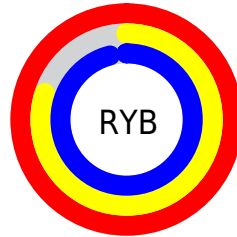
# Distribution



Red (100%)

Green (80%)

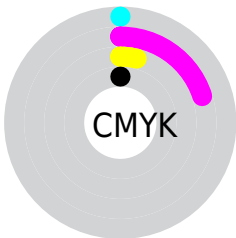
Blue (96%)



Red (100%)

Yellow (80%)

Blue (96%)

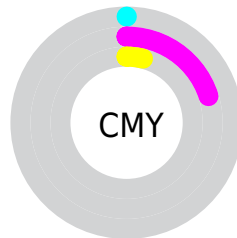


Cyan (0%)

Magenta (20%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (20%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.9774, 0.3228, 0.2894 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 70.9774, 0.3228, 0.2894 by changing the saturation by 10% instead.




 70.9774, 0.3228,  
0.2894

 70.9774, 0.3228,  
0.2894


463.9744, 0.3184,  
0.3072

 52.3238, 0.3237,  
0.2855

120.6015, 0.3213,  
0.2955

 37.2632, 0.3249,  
0.2807


152.3408, 0.3207,  
0.2979

 25.4113, 0.3263,  
0.2747


189.2108, 0.3202,  
0.2999

 16.3838, 0.3280,  
0.2670

231.5958, 0.3198,  
0.3017

 9.7961, 0.3303,  
0.2569

279.8803, 0.3194,  
0.3033

 5.2640, 0.3333,  
0.2428

334.4486, 0.3190,

 2.4030, 0.3374,

0.3048

0.2220

395.6852, 0.3187,  
0.3060

0.8274, 0.3433,  
0.1885

0.0000, 0.3596,  
0.0000

70.9774, 0.3228,  
0.2894

70.9774, 0.3228,  
0.2894

59.5004, 0.3290,  
0.2690

84.4438, 0.3174,  
0.3096

49.9237, 0.3360,  
0.2491

99.9970, 0.3127,  
0.3290

42.1402, 0.3437,  
0.2305

100.0000, 0.3127,  
0.3290

36.0351, 0.3519,  
0.2143

■ 31.4805, 0.3605,  
0.2015

■ 28.3296, 0.3692,  
0.1931

■ 26.4078, 0.3777,  
0.1893

■ 25.4293, 0.3858,  
0.1899

# Harmonies

## Analogous

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



70.9774, 0.2894, 0.2761



70.9774, 0.3228, 0.2894



70.9774, 0.3549, 0.3119

# Triad

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



70.9774, 0.3228, 0.2894



70.9774, 0.3626, 0.3844



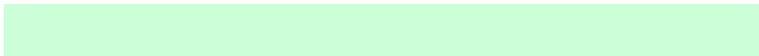
70.9774, 0.2536, 0.3133

# Complementary

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



70.9774, 0.3228, 0.2894



89.2630, 0.3040, 0.3721

# 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.



70.9774, 0.2712, 0.3454



70.9774, 0.3228, 0.2894



70.9774, 0.3337, 0.3884

# Square

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



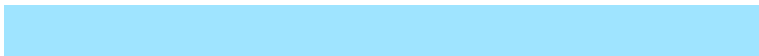
70.9774, 0.3228, 0.2894



70.9774, 0.3783, 0.3657



70.9774, 0.3002, 0.3740



70.9774, 0.2509, 0.2881



# Rectangle

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



70.9774, 0.3228, 0.2894



70.9774, 0.3705, 0.3300



70.9774, 0.3002, 0.3740



70.9774, 0.2579, 0.3237

# Sweetspot

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



70.9749, 0.3228, 0.2894



90.4129, 0.3154, 0.3174



64.7292, 0.2861, 0.2746



19.1386, 0.3157, 0.3162



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.



70.9749, 0.3228, 0.2894



66.1531, 0.3252, 0.2812



69.5737, 0.3410, 0.3135



18.2293, 0.3171, 0.3106



13.3104, 0.3845, 0.1892



1.3119, 0.3758, 0.1844



# Inverse Universe

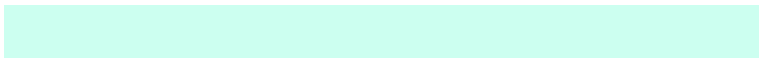
The Inverse Universe completely reimagines the original color for something new.



70.9749, 0.3228, 0.2894



66.1531, 0.3252, 0.2812



90.6301, 0.2907, 0.3451



18.2293, 0.3171, 0.3106



13.3104, 0.3845, 0.1892



1.3119, 0.3758, 0.1844



# Previews

## White Background



This preview shows how the Yxy color 70.9774, 0.3228, 0.2894 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

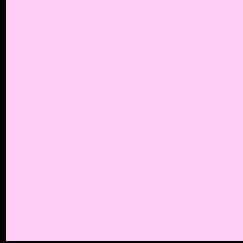
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.9774, 0.3228, 0.2894 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

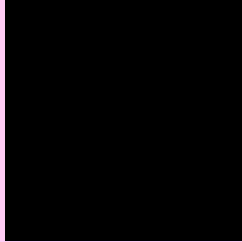
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 70.9774, 0.3228, 0.2894**

## Background



This preview shows how black text looks on a background with the Yxy color 70.9774, 0.3228, 0.2894.



This preview shows how white text looks on a background with the Yxy color 70.9774, 0.3228, 0.2894.

# 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

70.9774, 0.3228, 0.2894

### Protanopia

71.3808, 0.2871, 0.2918

### Deuteranopia

71.3269, 0.3055, 0.2997



## Tritanopia

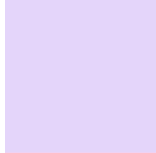
71.1890, 0.3346, 0.3128

# Trichromacy



## Original Color

70.9774, 0.3228, 0.2894



## Protanomaly

70.9846, 0.2990, 0.2905



## Deuteranomaly

70.9150, 0.3114, 0.2951



## Tritanomaly

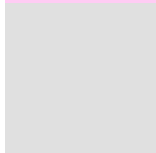
71.2778, 0.3304, 0.3049

# Monochromacy



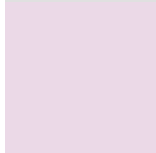
## Original Color

70.9774, 0.3228, 0.2894



## Achromatopsia

74.5404, 0.3127, 0.3290



## Achromatomaly

73.0574, 0.3163, 0.3144

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.9774, 0.3228, 0.2894 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, 244)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 244)  
}
```

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, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 70.9774, 0.3228, 0.2894 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, 244) }
```

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

```
.border{ border-color:rgb(255, 204, 244) }
```

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, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 244);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.9774, 0.3228, 0.2894 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, 244) }
```

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

```
.background{ background-color: rgb(255,  
204, 244) }
```

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