

# Converting Colors

$Y_{xy}(72.4248, 0.3353, 0.3094)$

Have a look what the booklet for  
Yxy(72.4248, 0.3353, 0.3094)  
contains.

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# Color

**Yxy(71.9732, 0.3340, 0.3089)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD0E4
RGB	255, 208, 228
RGB Percent	100%, 82%, 89%
CMY	0.0000, 0.1844, 0.1058
CMYK	0.00, 0.18, 0.11, 0.00
HSL	334°, 100%, 91%
HSV	334°, 18%, 100%
XYZ	77.8215, 71.9732, 83.2037
YIQ	224.3330, 21.5920, 16.1840

# Conversions

## Conversions Part 2

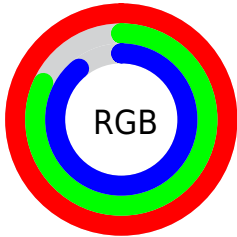
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 208, 228
Decimal	16765156
CIE Lab	87.96, 19.68, -3.61
CIE LCh	88, 20.005, 349.591
Yxy	71.9732, 0.3340, 0.3089
Android (android.graphics.Color)	4294955236 (0xFFFFD0E4)
YUV	224.3330, 1.8078, 26.8950
Hunter-Lab	84.8370, 15.2742, 1.2374

# Details

The Yxy color **71.9732, 0.3340, 0.3089** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **90.9219, 0.2955, 0.3500**, and the grayscale version is **74.7570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.8054, 0.3388, 0.3033** is the 20% darker color. If you saturate the color by 10%, you get **59.7350, 0.3490, 0.2973**, and if you desaturate by 10%, it is **86.2575, 0.3215, 0.3201**.

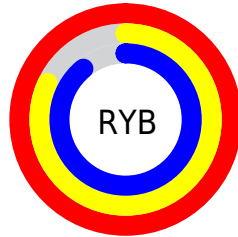
# Distribution



Red (100%)

Green (82%)

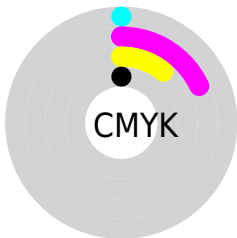
Blue (89%)



Red (100%)

Yellow (82%)

Blue (89%)

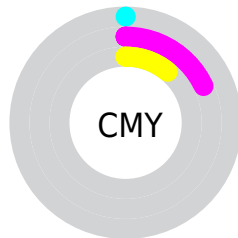


Cyan (0%)

Magenta (18%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (18%)


Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.9732, 0.3340, 0.3089 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 71.9732, 0.3340, 0.3089 by changing the saturation by 10% instead.




 71.9732, 0.3340,  
0.3089

 71.9732, 0.3340,  
0.3089

467.4483, 0.3242,  
0.3181

 53.1368, 0.3362,  
0.3068


122.0184, 0.3306,  
0.3121

 37.9120, 0.3390,  
0.3043


153.9960, 0.3293,  
0.3133

 25.9144, 0.3425,  
0.3011


191.1228, 0.3281,  
0.3144

 16.7596, 0.3470,  
0.2969

233.7832, 0.3272,  
0.3153

 10.0632, 0.3532,  
0.2913

282.3615, 0.3263,  
0.3161

 5.4409, 0.3621,  
0.2832

337.2422, 0.3255,

 2.5082, 0.3760,

0.3169

0.2709

398.8097, 0.3248,  
0.3175

0.8807, 0.4005,  
0.2497

0.0000, 0.9769,  
0.0000

71.9732, 0.3340,  
0.3089

71.9732, 0.3340,  
0.3089

59.7350, 0.3490,  
0.2973

86.2575, 0.3215,  
0.3201

49.4781, 0.3672,  
0.2858

100.0000, 0.3127,  
0.3290

41.0869, 0.3886,  
0.2749

34.4465, 0.4134,  
0.2657

■ 29.4295, 0.4411,  
0.2593

■ 25.8906, 0.4705,  
0.2572

■ 23.6586, 0.5000,  
0.2604

■ 22.4936, 0.5275,  
0.2688

■ 22.3577, 0.5317,  
0.2703

# Harmonies

## Analogous

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



71.9732, 0.3096, 0.2947



71.9732, 0.3340, 0.3089



71.9732, 0.3530, 0.3282

# Triad

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



71.9732, 0.3340, 0.3089



71.9732, 0.3379, 0.3719



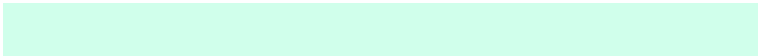
71.9732, 0.2669, 0.3067

# Complementary

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



71.9732, 0.3340, 0.3089



90.9219, 0.2955, 0.3500

# 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.



71.9732, 0.2738, 0.3277



71.9732, 0.3340, 0.3089



71.9732, 0.3143, 0.3668

# Square

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



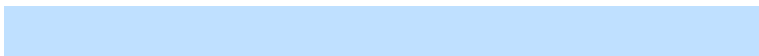
71.9732, 0.3340, 0.3089



71.9732, 0.3551, 0.3647



71.9732, 0.2910, 0.3503



71.9732, 0.2716, 0.2928



# Rectangle

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



71.9732, 0.3340, 0.3089



71.9732, 0.3597, 0.3419



71.9732, 0.2910, 0.3503



71.9732, 0.2679, 0.3131

# Sweetspot

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



71.9625, 0.3339, 0.3089



90.0712, 0.3188, 0.3227



69.9179, 0.3004, 0.2810



19.0578, 0.3195, 0.3220



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

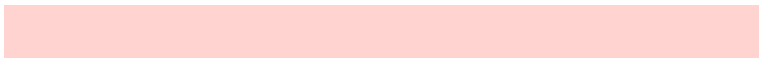
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.9625, 0.3339, 0.3089



67.3785, 0.3390, 0.3048



72.4563, 0.3483, 0.3323



18.1156, 0.3227, 0.3189



11.7108, 0.5276, 0.2680



1.1616, 0.4985, 0.2520



# Inverse Universe

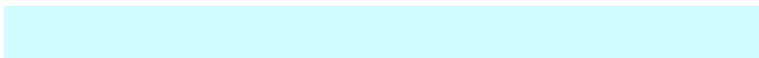
The Inverse Universe completely reimagines the original color for something new.



71.9625, 0.3339, 0.3089



67.3785, 0.3390, 0.3048



90.1624, 0.2847, 0.3257



18.1156, 0.3227, 0.3189



11.7108, 0.5276, 0.2680



1.1616, 0.4985, 0.2520



# Previews

## White Background



This preview shows how the Yxy color 71.9732, 0.3340, 0.3089 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

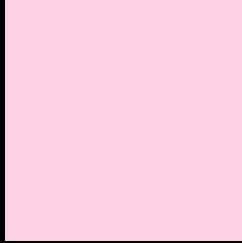
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.9732, 0.3340, 0.3089 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

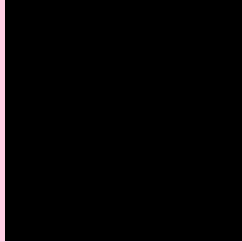
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.9732, 0.3340, 0.3089**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.9732, 0.3340, 0.3089.



This preview shows how white text looks on a background with the Yxy color 71.9732, 0.3340, 0.3089.

# 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

71.9732, 0.3340, 0.3089

### Protanopia

72.0333, 0.3037, 0.3119

### Deuteranopia

71.9899, 0.3221, 0.3155



## Tritanopia

72.2972, 0.3360, 0.3129

# Trichromacy



## Original Color

71.9732, 0.3340, 0.3089

## Protanomaly

71.7507, 0.3143, 0.3112

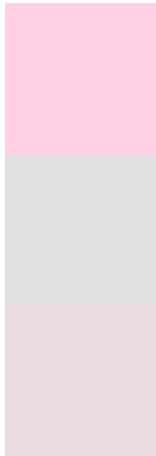
## Deuteranomaly

72.0455, 0.3267, 0.3136

## Tritanomaly

72.3519, 0.3353, 0.3119

# Monochromacy



## Original Color

71.9732, 0.3340, 0.3089

## Achromatopsia

74.5404, 0.3127, 0.3290

## Achromatomaly

73.2412, 0.3203, 0.3217

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.9732, 0.3340, 0.3089 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, 208, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 228)  
}
```

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, 208, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 71.9732, 0.3340, 0.3089 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, 208, 228) }
```

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

```
.border{ border-color:rgb(255, 208, 228) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 208, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
228) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.9732, 0.3340, 0.3089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 208, 228) }
```

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

```
.background{ background-color: rgb(255,  
208, 228) }
```

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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