

# Converting Colors

$Y_{xy}(72.0812, 0.3350, 0.3108)$

Have a look what the booklet for  
Yxy(72.0812, 0.3350, 0.3108)  
contains.

<b>Yxy(71.9178, 0.3347, 0.3099)</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(71.9178, 0.3347, 0.3099)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD0E3
RGB	255, 208, 227
RGB Percent	100%, 82%, 89%
CMY	0.0000, 0.1844, 0.1097
CMYK	0.00, 0.18, 0.11, 0.00
HSL	336°, 100%, 91%
HSV	336°, 18%, 100%
XYZ	77.6731, 71.9178, 82.4769
YIQ	224.2190, 21.9130, 15.8730

# Conversions

## Conversions Part 2

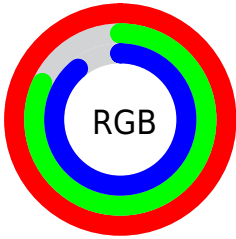
Format	Color
<a href="#">RYB</a>	<a href="#">255, 208, 227</a>
Decimal	<a href="#">16765155</a>
CIELab	<a href="#">87.93, 19.49, -3.13</a>
CIELCh	<a href="#">88, 19.742, 350.888</a>
Yxy	<a href="#">71.9178, 0.3347, 0.3099</a>
Android (android.graphics.Color)	<a href="#">4294955235</a> ( <a href="#">0xFFFFD0E3</a> )
YUV	<a href="#">224.2190, 1.3710, 26.9949</a>
Hunter-Lab	<a href="#">84.8044, 15.0821, 1.7003</a>

# Details

The Yxy color **71.9178, 0.3347, 0.3099** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **90.9826, 0.2950, 0.3490**, and the grayscale version is **74.6807, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.7668, 0.3397, 0.3046** is the 20% darker color. If you saturate the color by 10%, you get **59.6627, 0.3503, 0.2989**, and if you desaturate by 10%, it is **86.2383, 0.3218, 0.3205**.

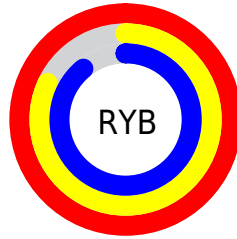
# Distribution



Red (100%)

Green (82%)

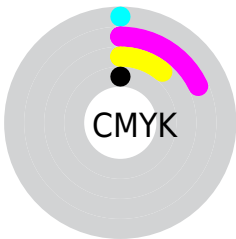
Blue (89%)



Red (100%)

Yellow (82%)

Blue (89%)

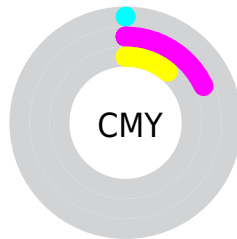


Cyan (0%)

Magenta (18%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (18%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.9178, 0.3347, 0.3099 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 71.9178, 0.3347, 0.3099 by changing the saturation by 10% instead.




 71.9178, 0.3347,  
0.3099

 71.9178, 0.3347,  
0.3099


467.2554, 0.3246,  
0.3187

 53.0915, 0.3370,  
0.3079

121.9397, 0.3312,  
0.3129

 37.8758, 0.3399,  
0.3055


153.9040, 0.3298,  
0.3141

 25.8863, 0.3435,  
0.3024


191.0166, 0.3286,  
0.3151

 16.7386, 0.3482,  
0.2984

233.6617, 0.3276,  
0.3160

 10.0483, 0.3546,  
0.2930

282.2237, 0.3267,  
0.3168

 5.4310, 0.3639,  
0.2853

337.0871, 0.3259,

 2.5023, 0.3784,

0.3175

0.2735

398.6362, 0.3252,  
0.3181

0.8778, 0.4041,  
0.2530

0.0000, 1.0000,  
0.0000

71.9178, 0.3347,  
0.3099

71.9178, 0.3347,  
0.3099

59.6627, 0.3503,  
0.2989

86.2383, 0.3218,  
0.3205

49.3867, 0.3692,  
0.2879

100.0000, 0.3127,  
0.3290

40.9811, 0.3916,  
0.2776

34.3310, 0.4175,  
0.2689

■ 29.3085, 0.4464,  
0.2630

■ 25.7682, 0.4772,  
0.2614

■ 23.5384, 0.5079,  
0.2649

■ 22.3793, 0.5363,  
0.2736

■ 22.2442, 0.5406,  
0.2752

# Harmonies

## Analogous

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



71.9178, 0.3107, 0.2956



71.9178, 0.3347, 0.3099



71.9178, 0.3531, 0.3291

# Triad

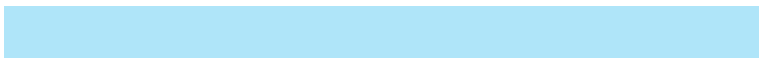
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.9178, 0.3347, 0.3099



71.9178, 0.3366, 0.3714



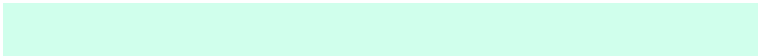
71.9178, 0.2674, 0.3062

# Complementary

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



71.9178, 0.3347, 0.3099



90.9826, 0.2950, 0.3490

# 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.



71.9178, 0.2738, 0.3268



71.9178, 0.3347, 0.3099



71.9178, 0.3133, 0.3658

# Square

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



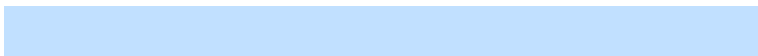
71.9178, 0.3347, 0.3099



71.9178, 0.3540, 0.3648



71.9178, 0.2903, 0.3491



71.9178, 0.2725, 0.2928



# Rectangle

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



71.9178, 0.3347, 0.3099



71.9178, 0.3593, 0.3426



71.9178, 0.2903, 0.3491



71.9178, 0.2683, 0.3125

# Sweetspot

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



71.9141, 0.3347, 0.3099



90.0510, 0.3190, 0.3230



70.0592, 0.3009, 0.2811



19.0530, 0.3197, 0.3224



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.



71.9141, 0.3347, 0.3099



67.3141, 0.3399, 0.3060



72.8542, 0.3481, 0.3331



18.1090, 0.3230, 0.3194



11.6508, 0.5364, 0.2729



1.1554, 0.5064, 0.2564



# Inverse Universe

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



71.9141, 0.3347, 0.3099



67.3141, 0.3399, 0.3060



89.6743, 0.2847, 0.3249



18.1090, 0.3230, 0.3194



11.6508, 0.5364, 0.2729



1.1554, 0.5064, 0.2564



# Previews

## White Background



This preview shows how the Yxy color 71.9178, 0.3347, 0.3099 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

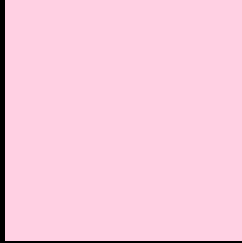
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.9178, 0.3347, 0.3099 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

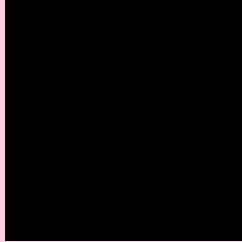
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.9178, 0.3347, 0.3099**

## Background



This preview shows how black text looks on a background with the Yxy color 71.9178, 0.3347, 0.3099.

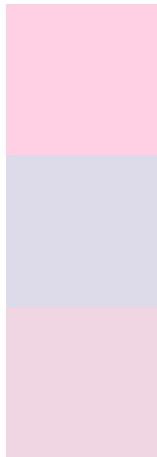


This preview shows how white text looks on a background with the Yxy color 71.9178, 0.3347, 0.3099.

# 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

71.9178, 0.3347, 0.3099

### Protanopia

71.9757, 0.3043, 0.3129

### Deuteranopia

72.1094, 0.3236, 0.3165



## Tritanopia

71.8080, 0.3362, 0.3119

# Trichromacy



## Original Color

71.9178, 0.3347, 0.3099

## Protanomaly

71.6940, 0.3150, 0.3122

## Deuteranomaly

71.9904, 0.3275, 0.3146

## Tritanomaly

71.8627, 0.3354, 0.3109

# Monochromacy



## Original Color

71.9178, 0.3347, 0.3099

## 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 71.9178, 0.3347, 0.3099 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 71.9178, 0.3347, 0.3099 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, 227) }
```

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

```
.border{ border-color:rgb(255, 208, 227) }
```

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, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.9178, 0.3347, 0.3099 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, 227) }
```

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

```
.background{ background-color: rgb(255,  
208, 227) }
```

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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