

# Converting Colors

$Yxy(76.8007, 0.3374, 0.3091)$

Have a look what the booklet for  
Yxy(76.8007, 0.3374, 0.3091)  
contains.

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# Color

**Yxy(74.7317, 0.3298, 0.3091)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD5E9
RGB	255, 213, 233
RGB Percent	100%, 84%, 91%
CMY	0.0001, 0.1647, 0.0863
CMYK	0.00, 0.16, 0.09, 0.00
HSL	331°, 100%, 92%
HSV	331°, 16%, 100%
XYZ	79.7364, 74.7317, 87.3038
YIQ	227.8380, 18.6120, 15.1240

# Conversions

## Conversions Part 2

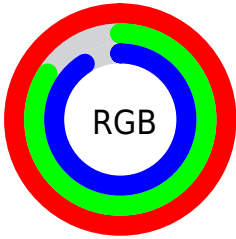
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	255, 213, 233
Decimal	16766441
CIE Lab	89.27, 17.83, -4.31
CIE LCh	89, 18.342, 346.414
Yxy	74.7317, 0.3298, 0.3091
Android (android.graphics.Color)	4294956521 (0xFFFFD5E9)
YUV	227.8380, 2.5449, 23.8211
Hunter-Lab	86.4475, 13.3595, 0.6359

# Details

The Yxy color  $74.7317, 0.3298, 0.3091$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $91.6571, 0.2984, 0.3498$ , and the grayscale version is  $77.4302, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $39.6338, 0.3341, 0.3048$  is the 20% darker color. If you saturate the color by 10%, you get  $62.1642, 0.3431, 0.2963$ , and if you desaturate by 10%, it is  $89.3802, 0.3188, 0.3214$ .

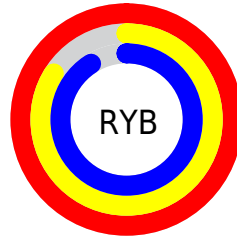
# Distribution



Red (100%)

Green (84%)

Blue (91%)



Red (100%)

Yellow (84%)

Blue (91%)

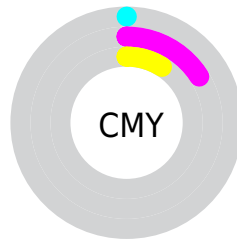


Cyan (0%)

Magenta (16%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.7317, 0.3298, 0.3091 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 74.7317, 0.3298, 0.3091 by changing the saturation by 10% instead.




 74.7317, 0.3298,  
0.3091

 74.7317, 0.3298,  
0.3091


476.9949, 0.3220,  
0.3181

 55.3931, 0.3316,  
0.3071


125.9325, 0.3271,  
0.3122

 39.7166, 0.3337,  
0.3046


158.5635, 0.3261,  
0.3134

 27.3176, 0.3364,  
0.3015


196.3941, 0.3252,  
0.3145

 17.8119, 0.3400,  
0.2975

239.8087, 0.3244,  
0.3154

 10.8150, 0.3447,  
0.2921

289.1917, 0.3237,  
0.3162

 5.9426, 0.3515,  
0.2845


344.9274, 0.3230,


 2.8102, 0.3619,


0.3169


0.2730

407.4004, 0.3225,  
0.3176

 1.0335, 0.3799,  
0.2536


 0.0000, 0.6272,  
0.0000

 74.7317, 0.3298,  
0.3091


 74.7317, 0.3298,  
0.3091


 62.1642, 0.3431,  
0.2963

 89.3802, 0.3188,  
0.3214

 51.5727, 0.3590,  
0.2834

99.9971, 0.3127,  
0.3290

 42.8576, 0.3778,  
0.2711

 35.9068, 0.3994,  
0.2602

■ 30.5961, 0.4237,  
0.2521

■ 26.7849, 0.4497,  
0.2479

■ 24.3086, 0.4763,  
0.2489

■ 22.9617, 0.5018,  
0.2554

■ 22.6464, 0.5105,  
0.2586

# Harmonies

## Analogous

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



74.7317, 0.3076, 0.2968



74.7317, 0.3298, 0.3091



74.7317, 0.3478, 0.3264

# Triad

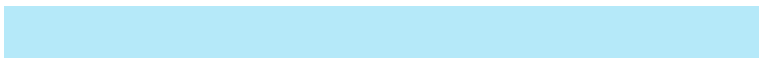
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.7317, 0.3298, 0.3091



74.7317, 0.3376, 0.3676



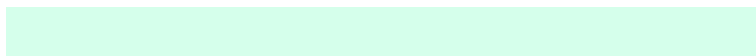
74.7317, 0.2713, 0.3106

# Complementary

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



74.7317, 0.3298, 0.3091



91.6571, 0.2984, 0.3498

# 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.



74.7317, 0.2787, 0.3301



74.7317, 0.3298, 0.3091



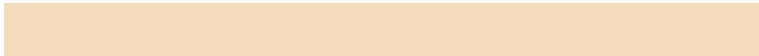
74.7317, 0.3166, 0.3641

# Square

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



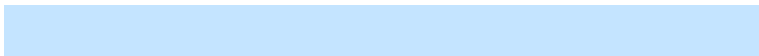
74.7317, 0.3298, 0.3091



74.7317, 0.3522, 0.3602



74.7317, 0.2951, 0.3502



74.7317, 0.2744, 0.2971

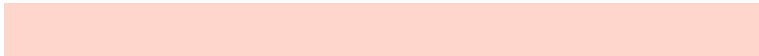


# Rectangle

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



74.7317, 0.3298, 0.3091



74.7317, 0.3546, 0.3389



74.7317, 0.2951, 0.3502



74.7317, 0.2726, 0.3167

# Sweetspot

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



74.7350, 0.3298, 0.3091



91.7103, 0.3173, 0.3232



72.4253, 0.3004, 0.2863



19.3898, 0.3180, 0.3223



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

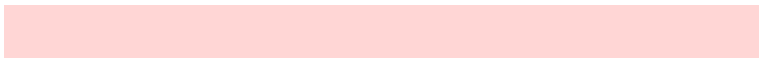
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.7350, 0.3298, 0.3091



70.0623, 0.3342, 0.3046



74.0099, 0.3441, 0.3298



18.1311, 0.3219, 0.3177



11.8645, 0.5067, 0.2565



1.1771, 0.4799, 0.2417



# Inverse Universe

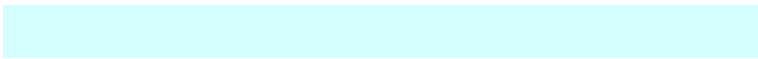
The Inverse Universe completely reimagines the original color for something new.



74.7350, 0.3298, 0.3091



70.0623, 0.3342, 0.3046



92.4320, 0.2877, 0.3282



18.1311, 0.3219, 0.3177



11.8645, 0.5067, 0.2565



1.1771, 0.4799, 0.2417



# Previews

## White Background



This preview shows how the Yxy color 74.7317, 0.3298, 0.3091 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

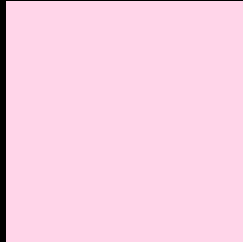
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.7317, 0.3298, 0.3091 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

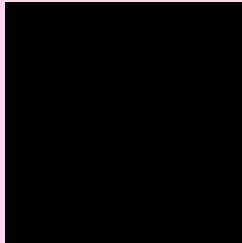
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.7317, 0.3298, 0.3091**

## Background



This preview shows how black text looks on a background with the Yxy color 74.7317, 0.3298, 0.3091.



This preview shows how white text looks on a background with the Yxy color 74.7317, 0.3298, 0.3091.

# 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

74.7317, 0.3298, 0.3091

### Protanopia

74.8546, 0.3032, 0.3121

### Deuteranopia

75.0237, 0.3213, 0.3147



## Tritanopia

74.5617, 0.3319, 0.3120

# Trichromacy



## Original Color

74.7317, 0.3298, 0.3091

## Protanomaly

74.4396, 0.3122, 0.3103

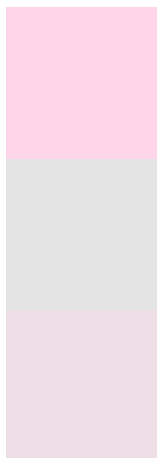
## Deuteranomaly

74.7121, 0.3244, 0.3128

## Tritanomaly

74.6180, 0.3312, 0.3110

# Monochromacy



## Original Color

74.7317, 0.3298, 0.3091

## Achromatopsia

77.5822, 0.3127, 0.3290

## Achromatomaly

76.6657, 0.3187, 0.3218

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.7317, 0.3298, 0.3091 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, 213, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 233)  
}
```

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, 213, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 74.7317, 0.3298, 0.3091 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, 213, 233) }
```

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

```
.border{ border-color:rgb(255, 213, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 213, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.7317, 0.3298, 0.3091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 213, 233) }
```

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

```
.background{ background-color: rgb(255,  
213, 233) }
```

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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