

# Converting Colors

$Y_{xy}(75.6769, 0.3462, 0.3248)$

Have a look what the booklet for  
Yxy(75.6769, 0.3462, 0.3248)  
contains.

<b>Yxy(74.4151, 0.3404, 0.3250)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(74.4151, 0.3404, 0.3250)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFD6DA
RGB	255, 214, 218
RGB Percent	100%, 84%, 85%
CMY	0.0001, 0.1608, 0.1449
CMYK	0.00, 0.16, 0.14, 0.00
HSL	354°, 100%, 92%
HSV	354°, 16%, 100%
XYZ	77.9412, 74.4151, 76.6132
YIQ	226.7150, 23.1520, 9.9360

# Conversions

## Conversions Part 2

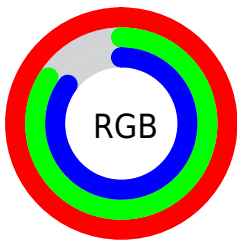
Format	Color
R <sub>Y</sub> B	255, 214, 218
Decimal	16766682
CIE Lab	89.12, 14.90, 3.35
CIE LCh	89, 15.276, 12.673
Yxy	74.4151, 0.3404, 0.3250
Android (android.graphics.Color)	4294956762 (0xFFFFD6DA)
YUV	226.7150, -4.2965, 24.8059
Hunter-Lab	86.2642, 10.3156, 7.7281

# Details

The Yxy color  $74.4151, 0.3404, 0.3250$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $92.7693, 0.2904, 0.3331$ , and the grayscale version is  $76.6200, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $39.4464, 0.3473, 0.3239$  is the 20% darker color. If you saturate the color by 10%, you get  $61.3842, 0.3633, 0.3223$ , and if you desaturate by 10%, it is  $89.6397, 0.3220, 0.3275$ .

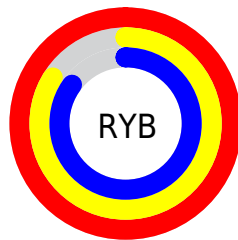
# Distribution



Red (100%)

Green (84%)

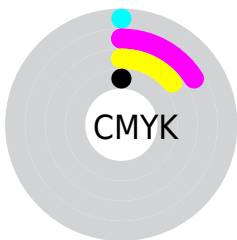
Blue (85%)



Red (100%)

Yellow (84%)

Blue (85%)

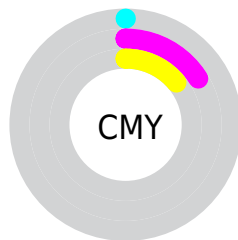


Cyan (0%)

Magenta (16%)

Yellow (14%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.4151, 0.3404, 0.3250 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 74.4151, 0.3404, 0.3250 by changing the saturation by 10% instead.



 74.4151, 0.3404,  
0.3250

 74.4151, 0.3404,  
0.3250


475.9048, 0.3276,  
0.3270

 55.1339, 0.3433,  
0.3245

125.4841, 0.3359,  
0.3257

 39.5089, 0.3470,  
0.3239


158.0406, 0.3342,  
0.3260

 27.1558, 0.3516,  
0.3232


195.7910, 0.3327,  
0.3262

 17.6903, 0.3576,  
0.3221

239.1196, 0.3314,  
0.3264

 10.7279, 0.3658,  
0.3207

288.4109, 0.3303,  
0.3266

 5.8842, 0.3777,  
0.3184

344.0493, 0.3293,

 2.7748, 0.3965,

0.3267

0.3147

406.4191, 0.3284,  
0.3268

■ 1.0153, 0.4304,  
0.3076

■ 0.0000, 1.0000,  
0.0000

■ 74.4151, 0.3404,  
0.3250

■ 74.4151, 0.3404,  
0.3250

■ 61.3842, 0.3633,  
0.3223

■ 89.6397, 0.3220,  
0.3275

■ 50.4365, 0.3916,  
0.3197

99.9970, 0.3127,  
0.3290

■ 41.4669, 0.4261,  
0.3173

■ 34.3572, 0.4666,  
0.3155

■ 28.9766, 0.5115,  
0.3149

■ 25.1773, 0.5568,  
0.3160

■ 22.7865, 0.5964,  
0.3191

■ 21.5909, 0.6240,  
0.3236

■ 21.3277, 0.6313,  
0.3251

# Harmonies

## Analogous

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



74.4151, 0.3248, 0.3107



74.4151, 0.3404, 0.3250



74.4151, 0.3485, 0.3406

# Triad

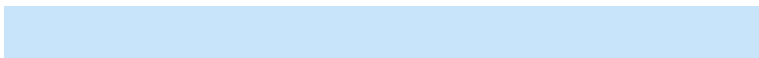
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.4151, 0.3404, 0.3250



74.4151, 0.3184, 0.3590



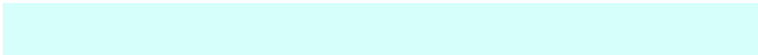
74.4151, 0.2798, 0.3034

# Complementary

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



74.4151, 0.3404, 0.3250



92.7693, 0.2904, 0.3331

# 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.



74.4151, 0.2783, 0.3157



74.4151, 0.3404, 0.3250



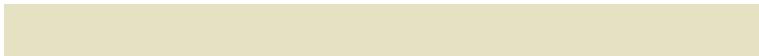
74.4151, 0.3002, 0.3484

# Square

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



74.4151, 0.3404, 0.3250



74.4151, 0.3354, 0.3609



74.4151, 0.2856, 0.3322



74.4151, 0.2899, 0.2983

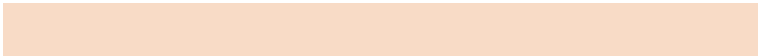


# Rectangle

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



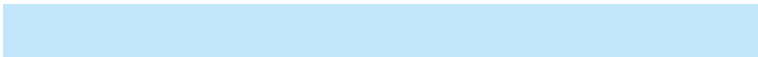
74.4151, 0.3404, 0.3250



74.4151, 0.3483, 0.3500



74.4151, 0.2856, 0.3322



74.4151, 0.2783, 0.3068

# Sweetspot

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



74.4184, 0.3404, 0.3250



91.4148, 0.3203, 0.3278



75.8044, 0.3117, 0.2887



19.3182, 0.3214, 0.3276



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

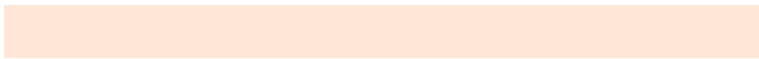
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.4184, 0.3404, 0.3250



70.3871, 0.3466, 0.3242



82.9283, 0.3407, 0.3455



18.0161, 0.3279, 0.3267



11.1552, 0.6291, 0.3239



1.0954, 0.6080, 0.3123



# Inverse Universe

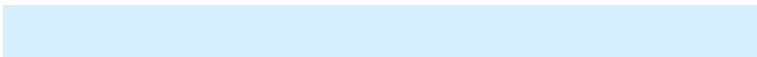
The Inverse Universe completely reimagines the original color for something new.



74.4184, 0.3404, 0.3250



70.3871, 0.3466, 0.3242



83.0118, 0.2876, 0.3119



18.0161, 0.3279, 0.3267



11.1552, 0.6291, 0.3239

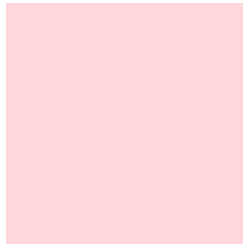


1.0954, 0.6080, 0.3123



# Previews

## White Background



This preview shows how the Yxy color 74.4151, 0.3404, 0.3250 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

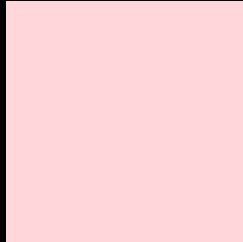
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.4151, 0.3404, 0.3250 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

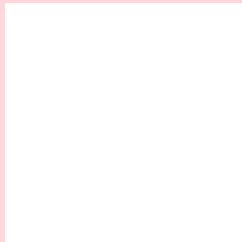
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.4151, 0.3404, 0.3250**

## Background



This preview shows how black text looks on a background with the Yxy color 74.4151, 0.3404, 0.3250.

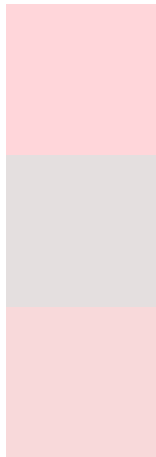


This preview shows how white text looks on a background with the Yxy color 74.4151, 0.3404, 0.3250.

# 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

74.4151, 0.3404, 0.3250

### Protanopia

74.5970, 0.3162, 0.3290

### Deuteranopia

74.6441, 0.3348, 0.3280



## Tritanopia

74.5056, 0.3326, 0.3130

# Trichromacy



## Original Color

74.4151, 0.3404, 0.3250

## Protanomaly

74.5840, 0.3250, 0.3280

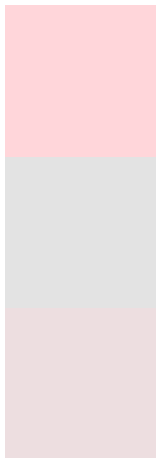
## Deuteranomaly

74.6829, 0.3372, 0.3270

## Tritanomaly

74.2847, 0.3355, 0.3170

# Monochromacy



## Original Color

74.4151, 0.3404, 0.3250

## Achromatopsia

76.8151, 0.3127, 0.3290

## Achromatomaly

75.6289, 0.3221, 0.3269

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.4151, 0.3404, 0.3250 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, 214, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 214, 218)  
}
```

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, 214, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 214, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 74.4151, 0.3404, 0.3250 is called "border". The border property can be set on classes, ids or directly on the HTML element.

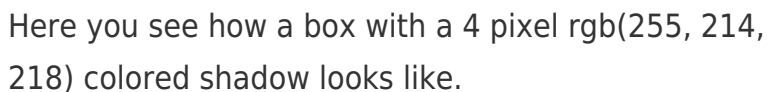
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 214, 218) }
```

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

```
.border{ border-color:rgb(255, 214, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 214, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 214, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 214, 218); box-shadow:4px 4px 4px 4px rgb(255, 214, 218) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.4151, 0.3404, 0.3250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 214, 218) }
```

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

```
.background{ background-color: rgb(255,  
214, 218) }
```

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