

# Converting Colors

$Y_{xy}(75.5144, 0.3655, 0.3791)$

Have a look what the booklet for  
Yxy(75.5144, 0.3655, 0.3791)  
contains.

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# Color

**Yxy(75.4383, 0.3659, 0.3790)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9DEAE
RGB	249, 222, 174
RGB Percent	98%, 87%, 68%
CMY	0.0235, 0.1294, 0.3176
CMYK	0.00, 0.11, 0.30, 0.02
HSL	38°, 86%, 83%
HSV	38°, 30%, 98%
XYZ	72.8308, 75.4383, 50.7765
YIQ	224.6010, 31.5000, -9.2040

# Conversions

## Conversions Part 2

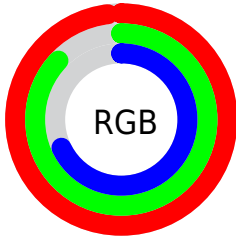
Format	Color
R <sub>Y</sub> B	216, 249, 174
Decimal	16375470
CIE Lab	89.60, 2.38, 26.97
CIE LCh	90, 27.075, 84.964
Yxy	75.4383, 0.3659, 0.3790
Android (android.graphics.Color)	4294565550 (0xFFFF9DEAE)
YUV	224.6010, -24.9463, 21.3979
Hunter-Lab	86.8552, -2.3189, 26.1371

# Details

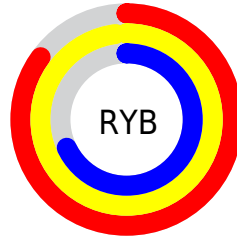
The Yxy color  $75.4383, 0.3659, 0.3790$  is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be  $57.6245, 0.2629, 0.2732$ , and the grayscale version is  $75.1625, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $98.4932, 0.3274, 0.3532$ , and  $40.2244, 0.3786, 0.3904$  is the 20% darker color. If you saturate the color by 10%, you get  $69.9214, 0.3868, 0.3959$ , and if you desaturate by 10%, it is  $81.3954, 0.3465, 0.3619$ .

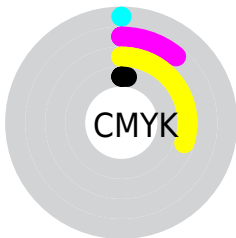
# Distribution



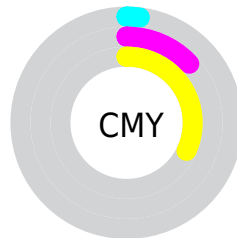
- Red (98%)
- Green (87%)
- Blue (68%)



- Red (85%)
- Yellow (98%)
- Blue (68%)



- Cyan (0%)
- Magenta (11%)
- Yellow (30%)
- Black (2%)




- Cyan (2%)
- Magenta (13%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.4383, 0.3659, 0.3790 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 75.4383, 0.3659, 0.3790 by changing the saturation by 10% instead.




 75.4383, 0.3659,  
0.3790

 75.4383, 0.3659,  
0.3790

479.4227, 0.3415,  
0.3563

 55.9720, 0.3714,  
0.3840


 126.9326, 0.3575,  
0.3712

 40.1805, 0.3780,  
0.3901


159.7294, 0.3542,  
0.3682

 27.6793, 0.3863,  
0.3977


197.7386, 0.3514,  
0.3656

 18.0841, 0.3969,  
0.4072

241.3444, 0.3489,  
0.3632

 11.0104, 0.4108,  
0.4196

290.9313, 0.3468,  
0.3612

 6.0738, 0.4295,  
0.4359

346.8838, 0.3448,

 2.8900, 0.4607,

0.3594

0.4629

409.5861, 0.3431,  
0.3578

■ 1.0746, 0.5033,  
0.4967

■ 0.0000, 1.0000,  
0.0000

■ 75.4383, 0.3659,  
0.3790

■ 75.4383, 0.3659,  
0.3790

■ 69.9214, 0.3868,  
0.3959

■ 81.3954, 0.3465,  
0.3619

■ 64.8206, 0.4087,  
0.4118

■ 87.7955, 0.3288,  
0.3452

■ 60.1244, 0.4309,  
0.4256

■ 94.6541, 0.3129,  
0.3292

■ 55.8164, 0.4524,  
0.4361

■ 98.8806, 0.3090,  
0.3290

■ 51.8786, 0.4721,  
0.4422

■ 48.2900, 0.4889,  
0.4431

■ 45.0538, 0.5024,  
0.4393

# Harmonies

## Analogous

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



75.4383, 0.3769, 0.3586



75.4383, 0.3659, 0.3790



75.4383, 0.3406, 0.3867

# Triad

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



75.4383, 0.3659, 0.3790



75.4383, 0.2586, 0.3214



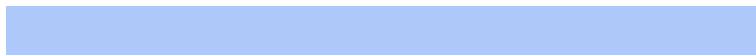
75.4383, 0.3142, 0.2867

# Complementary

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



75.4383, 0.3659, 0.3790



57.6245, 0.2629, 0.2732

# Split Complementary

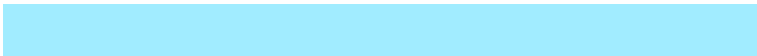
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.4383, 0.2832, 0.2766



75.4383, 0.3659, 0.3790



75.4383, 0.2524, 0.2947

# Square

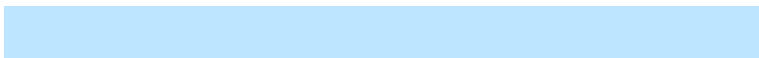
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.4383, 0.3659, 0.3790



75.4383, 0.2788, 0.3524



75.4383, 0.2611, 0.2790



75.4383, 0.3463, 0.3066



# Rectangle

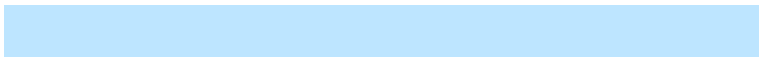
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.4383, 0.3659, 0.3790



75.4383, 0.3195, 0.3823



75.4383, 0.2611, 0.2790



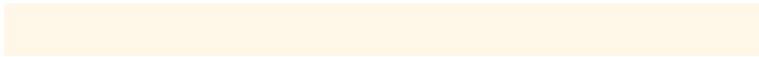
75.4383, 0.3033, 0.2821

# Sweetspot

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



75.4418, 0.3659, 0.3790



93.4491, 0.3270, 0.3433



54.6621, 0.3557, 0.3000



19.7833, 0.3294, 0.3457



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

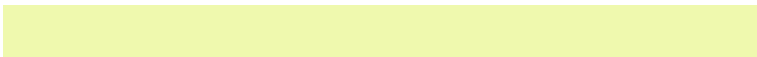
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.4418, 0.3659, 0.3790



76.1240, 0.3781, 0.3891



89.1629, 0.3514, 0.4062



19.0778, 0.3278, 0.3441



24.3946, 0.5007, 0.4406



2.4602, 0.4884, 0.4504



# Inverse Universe

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



57.6245, 0.2629, 0.2732



54.6234, 0.2524, 0.2601



47.3127, 0.2663, 0.2422



17.6660, 0.2979, 0.3134



7.7893, 0.1652, 0.1147



0.9143, 0.1718, 0.1383



# Previews

## White Background



This preview shows how the Yxy color 75.4383, 0.3659, 0.3790 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

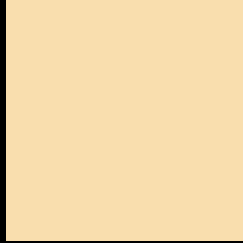
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.4383, 0.3659, 0.3790 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

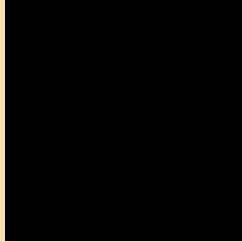
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.4383, 0.3659, 0.3790**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.4383, 0.3659, 0.3790.



This preview shows how white text looks on a background with the Yxy color 75.4383, 0.3659, 0.3790.

# 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**

75.4383, 0.3659, 0.3790

**Protanopia**

75.4708, 0.3575, 0.3822

**Deuteranopia**

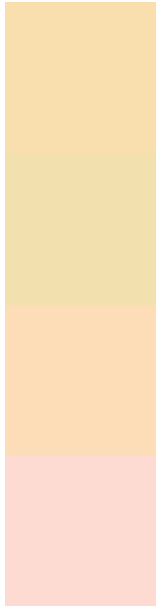
75.5972, 0.3606, 0.3598



## Tritanopia

75.6304, 0.3310, 0.3131

# Trichromacy



**Original Color**

75.4383, 0.3659, 0.3790

**Protanomaly**

75.4611, 0.3601, 0.3808

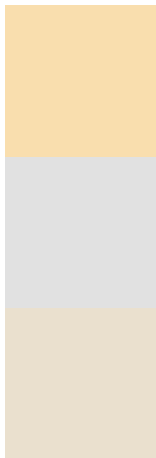
**Deuteranomaly**

75.5297, 0.3624, 0.3662

**Tritanomaly**

75.6786, 0.3441, 0.3372

# Monochromacy



**Original Color**

75.4383, 0.3659, 0.3790

**Achromatopsia**

75.2942, 0.3127, 0.3290

**Achromatomaly**

75.2600, 0.3319, 0.3482

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.4383, 0.3659, 0.3790 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(249, 222, 174)` looks like.

```
.text, #text, p{  
    color:rgb(249, 222, 174)  
}
```

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(249, 222, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 222, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 75.4383, 0.3659, 0.3790 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(249, 222, 174) }
```

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

```
.border{ border-color:rgb(249, 222, 174) }
```

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

Here you see how a box with a 4 pixel rgb(249, 222, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 222, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 222, 174);  
box-shadow:4px 4px 4px 4px rgb(249, 222,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.4383, 0.3659, 0.3790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 222, 174) }
```

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

```
.background{ background-color: rgb(249,  
222, 174) }
```

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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