

# Converting Colors

$Y_{xy}(75.3568, 0.3725, 0.3936)$

Have a look what the booklet for  
Yxy(75.3568, 0.3725, 0.3936)  
contains.

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# Color

**Yxy(75.1581, 0.3724, 0.3928)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7DFA2
RGB	247, 223, 162
RGB Percent	97%, 87%, 64%
CMY	0.0315, 0.1254, 0.3648
CMYK	0.00, 0.10, 0.34, 0.03
HSL	43°, 84%, 80%
HSV	43°, 34%, 97%
XYZ	71.2548, 75.1581, 44.9265
YIQ	223.2220, 33.8850, -13.8830

# Conversions

## Conversions Part 2

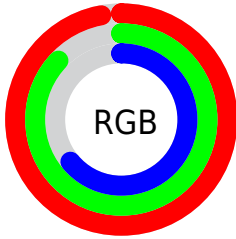
Format	Color
R <sub>YB</sub>	195, 247, 162
Decimal	16244642
CIE Lab	89.47, -0.38, 32.95
CIE LCh	89, 32.948, 90.667
Yxy	75.1581, 0.3724, 0.3928
Android (android.graphics.Color)	4294434722 (0xFFF7DFA2)
YUV	223.2220, -30.1824, 20.8533
Hunter-Lab	86.6938, -5.0025, 29.9604

# Details

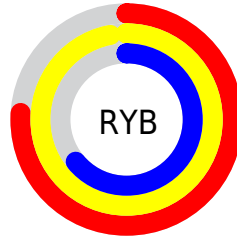
The Yxy color **75.1581, 0.3724, 0.3928** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **49.4778, 0.2542, 0.2555**, and the grayscale version is **74.1566, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7898, 0.3352, 0.3661**, and **39.9499, 0.3849, 0.4067** is the 20% darker color. If you saturate the color by 10%, you get **70.7260, 0.3920, 0.4111**, and if you desaturate by 10%, it is **79.9223, 0.3535, 0.3739**.

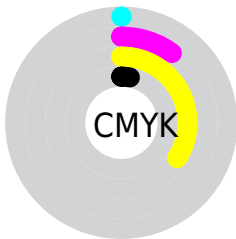
# Distribution



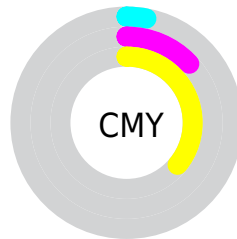
- Red (97%)
- Green (87%)
- Blue (64%)



- Red (76%)
- Yellow (97%)
- Blue (64%)



- Cyan (0%)
- Magenta (10%)
- Yellow (34%)
- Black (3%)




- Cyan (3%)
- Magenta (13%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.1581, 0.3724, 0.3928 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 75.1581, 0.3724, 0.3928 by changing the saturation by 10% instead.





 75.1581, 0.3724,  
0.3928

 75.1581, 0.3724,  
0.3928


478.4608, 0.3453,  
0.3638

 55.7424, 0.3784,  
0.3992


 126.5361, 0.3632,  
0.3829

 39.9964, 0.3856,  
0.4070


 159.2673, 0.3595,  
0.3790

 27.5358, 0.3945,  
0.4166


197.2057, 0.3563,  
0.3756

 17.9760, 0.4057,  
0.4286

240.7358, 0.3536,  
0.3726

 10.9328, 0.4199,  
0.4439

290.2420, 0.3511,  
0.3700

 6.0216, 0.4381,  
0.4636

346.1086, 0.3490,

 2.8582, 0.4817,

0.3677

0.5106

408.7201, 0.3470,  
0.3656

■ 1.0582, 0.4847,  
0.5153

■ 0.0000, 0.0000,  
0.0000

■ 75.1581, 0.3724,  
0.3928

■ 75.1581, 0.3724,  
0.3928

■ 70.7260, 0.3920,  
0.4111

■ 79.9223, 0.3535,  
0.3739

■ 66.6037, 0.4118,  
0.4277

■ 85.0193, 0.3358,  
0.3550

■ 62.7817, 0.4310,  
0.4417

■ 90.4630, 0.3194,  
0.3368

■ 59.2453, 0.4485,  
0.4518

■ 95.8861, 0.3079,  
0.3250

■ 55.9781, 0.4635,  
0.4573

■ 98.5065, 0.3078,  
0.3290

■ 52.9601, 0.4754,  
0.4578

■ 51.3655, 0.4810,  
0.4563

# Harmonies

## Analogous

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



75.1581, 0.3901, 0.3696



75.1581, 0.3724, 0.3928



75.1581, 0.3390, 0.3994

# Triad

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



75.1581, 0.3724, 0.3928



75.1581, 0.2446, 0.3122



75.1581, 0.3220, 0.2819

# Complementary

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



75.1581, 0.3724, 0.3928



49.4778, 0.2542, 0.2555

# 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.



75.1581, 0.2833, 0.2673



75.1581, 0.3724, 0.3928



75.1581, 0.2407, 0.2822

# Square

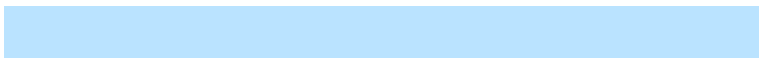
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.1581, 0.3724, 0.3928



75.1581, 0.2657, 0.3504



75.1581, 0.2543, 0.2669



75.1581, 0.3603, 0.3073

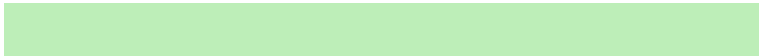


# Rectangle

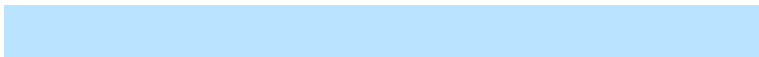
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.1581, 0.3724, 0.3928



75.1581, 0.3129, 0.3915



75.1581, 0.2543, 0.2669



75.1581, 0.3085, 0.2756

# Sweetspot

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



75.1616, 0.3724, 0.3928



93.9673, 0.3284, 0.3469



49.1501, 0.3710, 0.3032



19.9380, 0.3308, 0.3495



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.



75.1616, 0.3724, 0.3928



77.6242, 0.3854, 0.4051



85.6874, 0.3517, 0.4189



18.4784, 0.3276, 0.3459



27.4288, 0.4797, 0.4573



2.5842, 0.4704, 0.4647



# Inverse Universe

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



49.4778, 0.2542, 0.2555



46.3494, 0.2418, 0.2384



42.2996, 0.2635, 0.2293



16.6867, 0.2980, 0.3115



6.0468, 0.1599, 0.0955

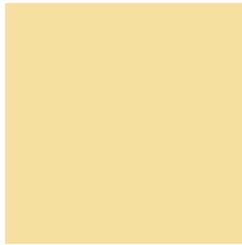


0.6984, 0.1665, 0.1195



# Previews

## White Background



This preview shows how the Yxy color 75.1581, 0.3724, 0.3928 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 75.1581, 0.3724, 0.3928 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

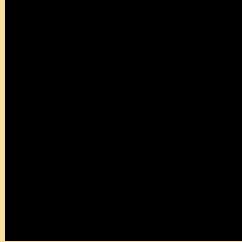
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.1581, 0.3724, 0.3928**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.1581, 0.3724, 0.3928.

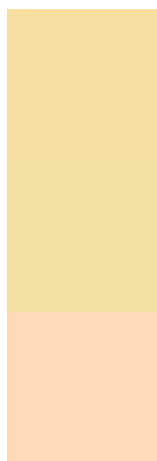


This preview shows how white text looks on a background with the Yxy color 75.1581, 0.3724, 0.3928.

# 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

75.1581, 0.3724, 0.3928

### Protanopia

75.3720, 0.3672, 0.3946

### Deuteranopia

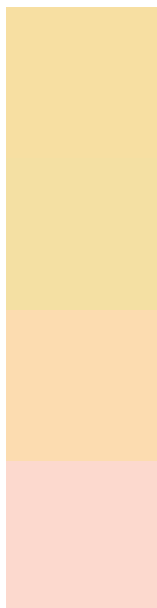
74.8635, 0.3645, 0.3640



## Tritanopia

75.1227, 0.3311, 0.3121

# Trichromacy



## Original Color

75.1581, 0.3724, 0.3928

## Protanomaly

75.1887, 0.3691, 0.3932

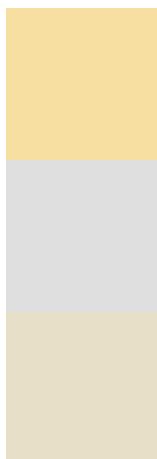
## Deuteranomaly

75.0164, 0.3674, 0.3746

## Tritanomaly

74.7774, 0.3464, 0.3404

# Monochromacy



## Original Color

75.1581, 0.3724, 0.3928

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

74.1482, 0.3340, 0.3527

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.1581, 0.3724, 0.3928 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(247, 223, 162)` looks like.

```
.text, #text, p{  
    color:rgb(247, 223, 162)  
}
```

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(247, 223, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 223, 162) }
```

## Border

The CSS property to change the border of an element to Yxy 75.1581, 0.3724, 0.3928 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(247, 223, 162) }
```

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

```
.border{ border-color:rgb(247, 223, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 223, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(247, 223, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(247, 223, 162); box-shadow:4px 4px 4px 4px rgb(247, 223, 162) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.1581, 0.3724, 0.3928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 223, 162) }
```

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

```
.background{ background-color: rgb(247,  
223, 162) }
```

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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