

# Converting Colors

$Y_{xy}(118.1948, 0.4787, 0.3732)$

Have a look what the booklet for  
Yxy(118.1948, 0.4787, 0.3732)  
contains.

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# Color

**Yxy(78.6325, 0.3805, 0.4000)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE39D
RGB	255, 227, 157
RGB Percent	100%, 89%, 62%
CMY	0.0000, 0.1098, 0.3842
CMYK	0.00, 0.11, 0.38, 0.00
HSL	43°, 100%, 81%
HSV	43°, 38%, 100%
XYZ	74.7992, 78.6325, 43.1496
YIQ	227.3920, 39.1580, -15.8340

# Conversions

## Conversions Part 2

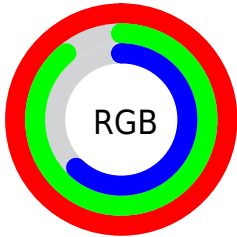
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 255, 157
Decimal	16769949
CIE <sub>Lab</sub>	91.07, 0.13, 37.69
CIE <sub>LCh</sub>	91, 37.695, 89.808
Yxy	78.6325, 0.3805, 0.4000
Android (android.graphics.Color)	4294960029 (0xFFFFE39D)
YUV	227.3920, -34.7033, 24.2122
Hunter-Lab	88.6750, -4.6128, 33.2217

# Details

The Yxy color **78.6325, 0.3805, 0.4000** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **49.1050, 0.2467, 0.2456**, and the grayscale version is **77.3557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5335, 0.3382, 0.3711**, and **42.3953, 0.3948, 0.4150** is the 20% darker color. If you saturate the color by 10%, you get **73.9497, 0.4004, 0.4177**, and if you desaturate by 10%, it is **83.6706, 0.3611, 0.3813**.

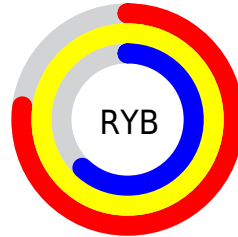
# Distribution



Red (100%)

Green (89%)

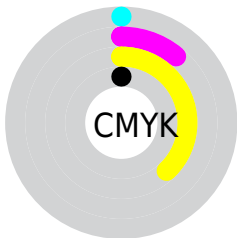
Blue (62%)



Red (77%)

Yellow (100%)

Blue (62%)

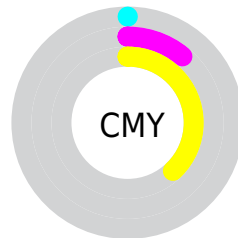


Cyan (0%)

Magenta (11%)

Yellow (38%)

Black (0%)



Cyan (0%)

Magenta (11%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.6325, 0.3805, 0.4000 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 78.6325, 0.3805, 0.4000 by changing the saturation by 10% instead.





 78.6325, 0.3805,  
0.4000


 78.6325, 0.3805,  
0.4000


490.3122, 0.3501,  
0.3682

 58.5937, 0.3871,  
0.4069


 131.4414, 0.3702,  
0.3892

 42.2861, 0.3950,  
0.4152


 164.9802, 0.3661,  
0.3850

 29.3254, 0.4046,  
0.4252


203.7879, 0.3626,  
0.3813

 19.3271, 0.4165,  
0.4376

248.2488, 0.3595,  
0.3780

 11.9069, 0.4312,  
0.4530

298.7473, 0.3567,  
0.3751

 6.6803, 0.4493,  
0.4718

355.6677, 0.3543,

 3.2630, 0.4879,

0.3726

0.5121

419.3946, 0.3521,  
0.3703

■ 1.2705, 0.4881,  
0.5119

■ 0.1182, 0.4941,  
0.5059

■ 78.6325, 0.3805,  
0.4000

■ 78.6325, 0.3805,  
0.4000

■ 73.9497, 0.4004,  
0.4177

■ 83.6706, 0.3611,  
0.3813

■ 69.6016, 0.4202,  
0.4333

■ 89.0693, 0.3428,  
0.3624

■ 65.5758, 0.4390,  
0.4458

■ 94.8426, 0.3259,  
0.3439

■ 61.8558, 0.4558,  
0.4540

100.0000, 0.3127,  
0.3290

■ 58.4222, 0.4697,  
0.4574

■ 55.2489, 0.4806,  
0.4558

■ 54.7650, 0.4822,  
0.4553

# Harmonies

## Analogous

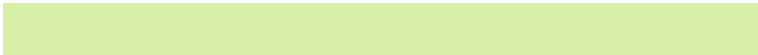
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.6325, 0.4001, 0.3731



78.6325, 0.3805, 0.4000



78.6325, 0.3432, 0.4088

# Triad

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



78.6325, 0.3805, 0.4000



78.6325, 0.2369, 0.3108



78.6325, 0.3216, 0.2758

# Complementary

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



78.6325, 0.3805, 0.4000



49.1050, 0.2467, 0.2456

# 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.



78.6325, 0.2784, 0.2599



78.6325, 0.3805, 0.4000



78.6325, 0.2321, 0.2769

# Square

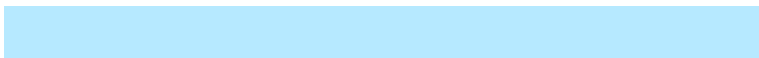
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.6325, 0.3805, 0.4000



78.6325, 0.2608, 0.3543



78.6325, 0.2466, 0.2597



78.6325, 0.3652, 0.3036

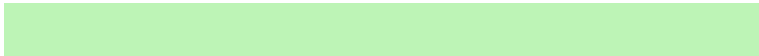


# Rectangle

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



78.6325, 0.3805, 0.4000



78.6325, 0.3139, 0.4006



78.6325, 0.2466, 0.2597



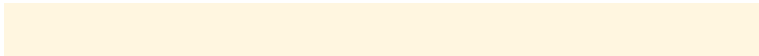
78.6325, 0.3065, 0.2689

# Sweetspot

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



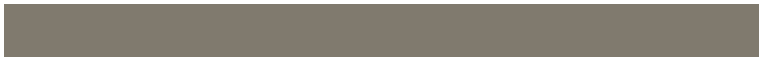
78.6349, 0.3805, 0.4000



92.7299, 0.3318, 0.3505



48.9502, 0.3793, 0.2984



19.6858, 0.3340, 0.3529



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

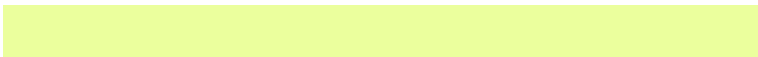
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.6349, 0.3805, 0.4000



75.0504, 0.3956, 0.4136



91.6873, 0.3571, 0.4294



20.1618, 0.3276, 0.3459



28.8837, 0.4809, 0.4564



2.9991, 0.4722, 0.4633



# Inverse Universe

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



49.1050, 0.2467, 0.2456



41.8086, 0.2325, 0.2256



40.6506, 0.2552, 0.2154



18.2232, 0.2979, 0.3115



6.4728, 0.1600, 0.0961



0.8071, 0.1661, 0.1178



# Previews

## White Background



This preview shows how the Yxy color 78.6325, 0.3805, 0.4000 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 78.6325, 0.3805, 0.4000 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

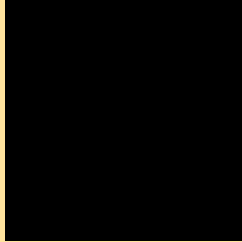
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.6325, 0.3805, 0.4000**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.6325, 0.3805, 0.4000.



This preview shows how white text looks on a background with the Yxy color 78.6325, 0.3805, 0.4000.

# 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

78.6325, 0.3805, 0.4000

### Protanopia

78.4637, 0.3738, 0.4023

### Deuteranopia

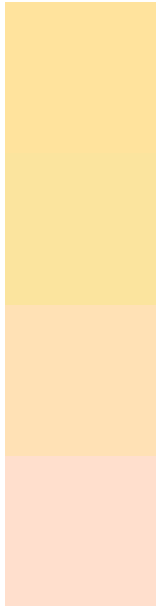
78.5114, 0.3551, 0.3586



## Tritanopia

78.3296, 0.3291, 0.3161

# Trichromacy



**Original Color**

78.6325, 0.3805, 0.4000

**Protanomaly**

78.4647, 0.3765, 0.4008

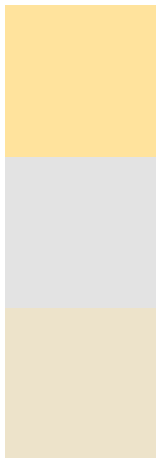
**Deuteranomaly**

78.4466, 0.3647, 0.3740

**Tritanomaly**

78.4431, 0.3482, 0.3473

# Monochromacy



**Original Color**

78.6325, 0.3805, 0.4000

**Achromatopsia**

76.8151, 0.3127, 0.3290

**Achromatomaly**

77.2070, 0.3364, 0.3555

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.6325, 0.3805, 0.4000 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, 227, 157)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 157)  
}
```

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, 227, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 157) }
```

## Border

The CSS property to change the border of an element to Yxy 78.6325, 0.3805, 0.4000 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, 227, 157) }
```

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

```
.border{ border-color:rgb(255, 227, 157) }
```

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

Here you see how a box with a 4 pixel rgb(255, 227, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 157);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
157) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.6325, 0.3805, 0.4000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 157) }
```

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

```
.background{ background-color: rgb(255,  
227, 157) }
```

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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