

# Converting Colors

$Y_{xy}(104.1782, 0.4573, 0.3806)$

Have a look what the booklet for  
Yxy(104.1782, 0.4573, 0.3806)  
contains.

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# Color

**Yxy(78.0193, 0.3822, 0.4011)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE29B
RGB	255, 226, 155
RGB Percent	100%, 89%, 61%
CMY	0.0001, 0.1137, 0.3922
CMYK	0.00, 0.11, 0.39, 0.00
HSL	43°, 100%, 80%
HSV	43°, 39%, 100%
XYZ	74.3430, 78.0193, 42.1510
YIQ	226.5770, 40.0750, -15.9330

# Conversions

## Conversions Part 2

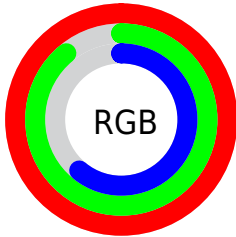
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 255, 155
Decimal	16769691
CIE <sub>Lab</sub>	90.79, 0.39, 38.36
CIE <sub>LCh</sub>	91, 38.358, 89.419
Yxy	78.0193, 0.3822, 0.4011
Android (android.graphics.Color)	4294959771 (0xFFFFE29B)
YUV	226.5770, -35.2875, 24.9270
Hunter-Lab	88.3285, -4.3378, 33.5363

# Details

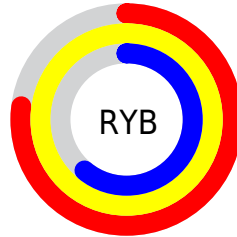
The Yxy color **78.0193, 0.3822, 0.4011** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **48.4454, 0.2453, 0.2441**, and the grayscale version is **76.7316, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4331, 0.3394, 0.3731**, and **41.9754, 0.3970, 0.4163** is the 20% darker color. If you saturate the color by 10%, you get **73.3251, 0.4022, 0.4186**, and if you desaturate by 10%, it is **83.0745, 0.3627, 0.3825**.

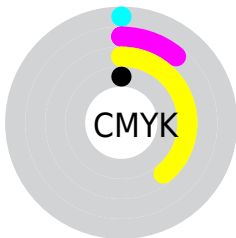
# Distribution



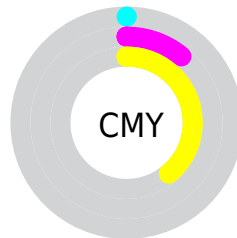
- Red (100%)
- Green (89%)
- Blue (61%)



- Red (77%)
- Yellow (100%)
- Blue (61%)



- Cyan (0%)
- Magenta (11%)
- Yellow (39%)
- Black (0%)




- Cyan (0%)
- Magenta (11%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.0193, 0.3822, 0.4011 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 78.0193, 0.3822, 0.4011 by changing the saturation by 10% instead.




 78.0193, 0.3822,  
0.4011

 78.0193, 0.3822,  
0.4011


488.2324, 0.3510,  
0.3688

 58.0898, 0.3890,  
0.4081


 130.5773, 0.3717,  
0.3902

 41.8809, 0.3971,  
0.4164


 163.9747, 0.3675,  
0.3859

 29.0080, 0.4069,  
0.4266


202.6301, 0.3638,  
0.3821

 19.0869, 0.4191,  
0.4391

246.9280, 0.3606,  
0.3788

 11.7331, 0.4341,  
0.4545

297.2528, 0.3578,  
0.3758

 6.5622, 0.4524,  
0.4732

353.9889, 0.3553,

 3.1898, 0.4891,

0.3732

0.5109

417.5206, 0.3530,  
0.3709

■ 1.2316, 0.4898,  
0.5102

■ 0.0873, 0.5144,  
0.4856

■ 78.0193, 0.3822,  
0.4011

■ 78.0193, 0.3822,  
0.4011

■ 73.3251, 0.4022,  
0.4186

■ 83.0745, 0.3627,  
0.3825

■ 68.9675, 0.4221,  
0.4340

■ 88.4923, 0.3443,  
0.3637

■ 64.9350, 0.4409,  
0.4461

■ 94.2883, 0.3271,  
0.3453

■ 61.2108, 0.4577,  
0.4539

99.9932, 0.3127,  
0.3290

■ 57.7753, 0.4715,  
0.4567

■ 54.6000, 0.4824,  
0.4548

■ 54.3566, 0.4832,  
0.4546

# Harmonies

## Analogous

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



78.0193, 0.4020, 0.3734



78.0193, 0.3822, 0.4011



78.0193, 0.3443, 0.4106

# Triad

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



78.0193, 0.3822, 0.4011



78.0193, 0.2357, 0.3109



78.0193, 0.3212, 0.2745

# Complementary

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



78.0193, 0.3822, 0.4011



48.4454, 0.2453, 0.2441

# 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.



78.0193, 0.2772, 0.2586



78.0193, 0.3822, 0.4011



78.0193, 0.2305, 0.2762

# Square

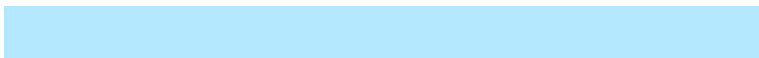
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.0193, 0.3822, 0.4011



78.0193, 0.2602, 0.3554



78.0193, 0.2450, 0.2585



78.0193, 0.3657, 0.3026

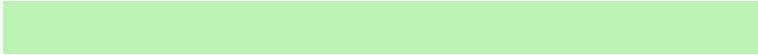


# Rectangle

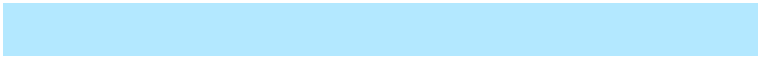
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.0193, 0.3822, 0.4011



78.0193, 0.3144, 0.4025



78.0193, 0.2450, 0.2585



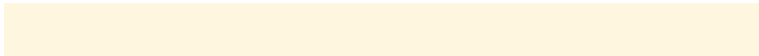
78.0193, 0.3058, 0.2676

# Sweetspot

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



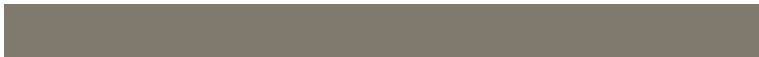
78.0229, 0.3822, 0.4011



92.6599, 0.3318, 0.3504



48.1989, 0.3812, 0.2978



19.6693, 0.3340, 0.3528



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

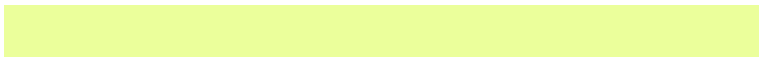
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.0229, 0.3822, 0.4011



74.3555, 0.3978, 0.4149



91.5212, 0.3579, 0.4315



20.1498, 0.3276, 0.3458



28.6810, 0.4819, 0.4556



2.9806, 0.4730, 0.4626



# Inverse Universe

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



48.4454, 0.2453, 0.2441



41.0780, 0.2308, 0.2235



39.7743, 0.2537, 0.2127



18.2345, 0.2979, 0.3116



6.5411, 0.1603, 0.0969



0.8150, 0.1663, 0.1187



# Previews

## White Background



This preview shows how the Yxy color 78.0193, 0.3822, 0.4011 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

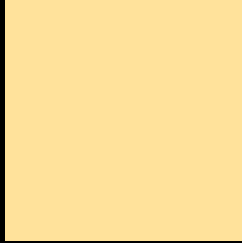
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.0193, 0.3822, 0.4011 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 78.0193, 0.3822, 0.4011**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.0193, 0.3822, 0.4011.



This preview shows how white text looks on a background with the Yxy color 78.0193, 0.3822, 0.4011.

# 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

78.0193, 0.3822, 0.4011

### Protanopia

78.2131, 0.3744, 0.4046

### Deuteranopia

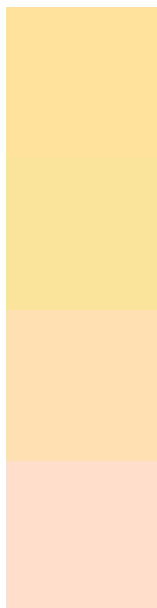
77.8411, 0.3575, 0.3607



## Tritanopia

77.7492, 0.3299, 0.3161

# Trichromacy



## Original Color

78.0193, 0.3822, 0.4011

## Protanomaly

78.2111, 0.3770, 0.4030

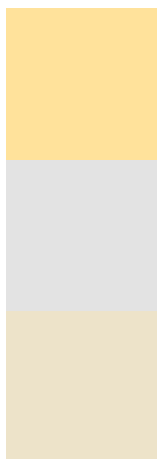
## Deuteranomaly

77.8260, 0.3664, 0.3750

## Tritanomaly

77.8622, 0.3491, 0.3474

# Monochromacy



## Original Color

78.0193, 0.3822, 0.4011

## Achromatopsia

76.8151, 0.3127, 0.3290

## Achromatomaly

77.1597, 0.3370, 0.3566

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.0193, 0.3822, 0.4011 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, 226, 155)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 155)  
}
```

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, 226, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 155) }
```

## Border

The CSS property to change the border of an element to Yxy 78.0193, 0.3822, 0.4011 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, 226, 155) }
```

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

```
.border{ border-color:rgb(255, 226, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 226, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 155);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
155) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.0193, 0.3822, 0.4011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 226, 155) }
```

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

```
.background{ background-color: rgb(255,  
226, 155) }
```

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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