

# Converting Colors

$Y_{xy}(78.0102, 0.3835, 0.4031)$

Have a look what the booklet for  
Yxy(78.0102, 0.3835, 0.4031)  
contains.

<b>Yxy(77.9526, 0.3836, 0.4030)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(77.9526, 0.3836, 0.4030)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE299
RGB	255, 226, 153
RGB Percent	100%, 89%, 60%
CMY	0.0000, 0.1138, 0.3999
CMYK	0.00, 0.11, 0.40, 0.00
HSL	43°, 100%, 80%
HSV	43°, 40%, 100%
XYZ	74.2000, 77.9526, 41.2781
YIQ	226.3490, 40.7170, -16.5550

# Conversions

## Conversions Part 2

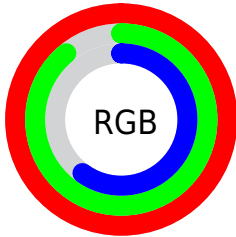
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	194, 255, 153
Decimal	16769689
CIE Lab	90.76, 0.22, 39.32
CIE LCh	91, 39.317, 89.673
Yxy	77.9526, 0.3836, 0.4030
Android (android.graphics.Color)	4294959769 (0xFFFFE299)
YUV	226.3490, -36.1611, 25.1269
Hunter-Lab	88.2908, -4.4965, 34.0840

# Details

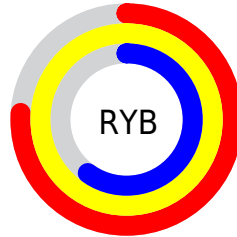
The Yxy color **77.9526, 0.3836, 0.4030** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **47.4604, 0.2437, 0.2414**, and the grayscale version is **76.5593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3341, 0.3406, 0.3751**, and **41.9357, 0.3987, 0.4186** is the 20% darker color. If you saturate the color by 10%, you get **73.3308, 0.4035, 0.4205**, and if you desaturate by 10%, it is **82.9105, 0.3641, 0.3844**.

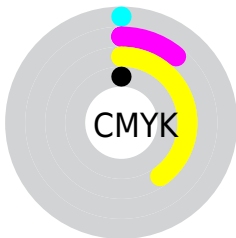
# Distribution



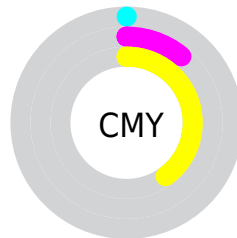
- Red (100%)
- Green (89%)
- Blue (60%)



- Red (76%)
- Yellow (100%)
- Blue (60%)



- Cyan (0%)
- Magenta (11%)
- Yellow (40%)
- Black (0%)




- Cyan (0%)
- Magenta (11%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.9526, 0.3836, 0.4030 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 77.9526, 0.3836, 0.4030 by changing the saturation by 10% instead.




 77.9526, 0.3836,  
0.4030


 77.9526, 0.3836,  
0.4030


488.0058, 0.3518,  
0.3699

 58.0350, 0.3905,  
0.4101


 130.4833, 0.3729,  
0.3918

 41.8368, 0.3987,  
0.4187


 163.8652, 0.3686,  
0.3874

 28.9735, 0.4087,  
0.4291


202.5041, 0.3649,  
0.3835

 19.0608, 0.4209,  
0.4418

246.7842, 0.3616,  
0.3801

 11.7142, 0.4360,  
0.4574

297.0901, 0.3588,  
0.3771

 6.5494, 0.4541,  
0.4762

353.8060, 0.3562,

 3.1819, 0.4884,

0.3744

0.5116

417.3165, 0.3539,  
0.3720

■ 1.2274, 0.4888,  
0.5112

■ 0.0839, 0.5039,  
0.4961

■ 77.9526, 0.3836,  
0.4030

■ 77.9526, 0.3836,  
0.4030

■ 73.3308, 0.4035,  
0.4205

■ 82.9105, 0.3641,  
0.3844

■ 69.0477, 0.4231,  
0.4357

■ 88.2334, 0.3456,  
0.3654

■ 65.0830, 0.4416,  
0.4476

■ 93.9274, 0.3284,  
0.3468

■ 61.4197, 0.4579,  
0.4551

100.0000, 0.3127,  
0.3290

■ 58.0381, 0.4714,  
0.4577

■ 54.9072, 0.4818,  
0.4556

■ 54.9054, 0.4818,  
0.4556

# Harmonies

## Analogous

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



77.9526, 0.4041, 0.3746



77.9526, 0.3836, 0.4030



77.9526, 0.3446, 0.4127

# Triad

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



77.9526, 0.3836, 0.4030



77.9526, 0.2337, 0.3100



77.9526, 0.3217, 0.2734

# Complementary

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



77.9526, 0.3836, 0.4030



47.4604, 0.2437, 0.2414

# 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.



77.9526, 0.2766, 0.2570



77.9526, 0.3836, 0.4030



77.9526, 0.2287, 0.2746

# Square

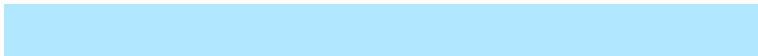
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.9526, 0.3836, 0.4030



77.9526, 0.2586, 0.3556



77.9526, 0.2436, 0.2567



77.9526, 0.3674, 0.3023

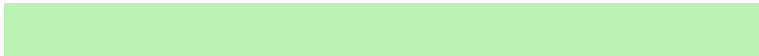


# Rectangle

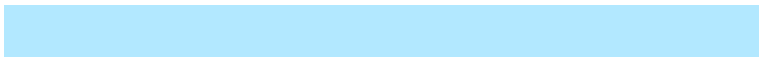
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.9526, 0.3836, 0.4030



77.9526, 0.3140, 0.4043



77.9526, 0.2436, 0.2567



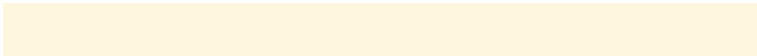
77.9526, 0.3059, 0.2664

# Sweetspot

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



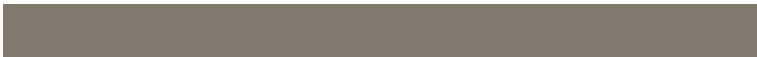
77.9472, 0.3836, 0.4030



92.7549, 0.3318, 0.3505



47.4918, 0.3832, 0.2972



19.6917, 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.



77.9472, 0.3836, 0.4030



74.2242, 0.3995, 0.4171



91.4151, 0.3587, 0.4335



20.1661, 0.3276, 0.3459



28.9565, 0.4805, 0.4566



3.0057, 0.4719, 0.4635



# Inverse Universe

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



47.4604, 0.2437, 0.2414



39.9650, 0.2288, 0.2200



38.9387, 0.2523, 0.2101



18.2191, 0.2979, 0.3115



6.4487, 0.1600, 0.0958



0.8043, 0.1660, 0.1174



# Previews

## White Background



This preview shows how the Yxy color 77.9526, 0.3836, 0.4030 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 77.9526, 0.3836, 0.4030 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

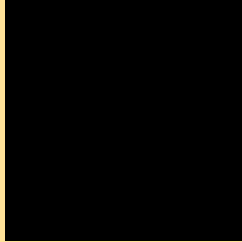
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.9526, 0.3836, 0.4030**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.9526, 0.3836, 0.4030.



This preview shows how white text looks on a background with the Yxy color 77.9526, 0.3836, 0.4030.

# 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

77.9526, 0.3836, 0.4030

### Protanopia

78.3282, 0.3764, 0.4064

### Deuteranopia

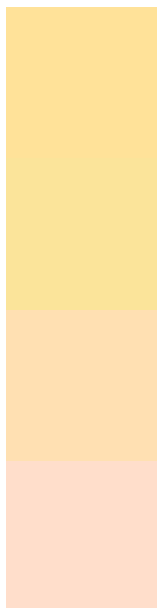
77.8411, 0.3575, 0.3607



## Tritanopia

77.7492, 0.3299, 0.3161

# Trichromacy



## Original Color

77.9526, 0.3836, 0.4030

## Protanomaly

78.3291, 0.3791, 0.4048

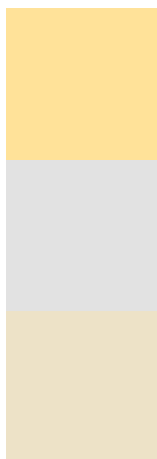
## Deuteranomaly

77.7857, 0.3671, 0.3761

## Tritanomaly

77.8143, 0.3498, 0.3484

# Monochromacy



## Original Color

77.9526, 0.3836, 0.4030

## Achromatopsia

76.0525, 0.3127, 0.3290

## Achromatomaly

76.5208, 0.3386, 0.3577

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.9526, 0.3836, 0.4030 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 153)  
}
```

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, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 77.9526, 0.3836, 0.4030 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, 153) }
```

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

```
.border{ border-color:rgb(255, 226, 153) }
```

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, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.9526, 0.3836, 0.4030 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, 153) }
```

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

```
.background{ background-color: rgb(255,  
226, 153) }
```

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