

# Converting Colors

$Y_{xy}(77.7676, 0.3845, 0.4040)$

Have a look what the booklet for  
Yxy(77.7676, 0.3845, 0.4040)  
contains.

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# Color

**Yxy(77.9197, 0.3842, 0.4040)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE298
RGB	255, 226, 152
RGB Percent	100%, 89%, 60%
CMY	0.0001, 0.1137, 0.4038
CMYK	0.00, 0.11, 0.40, 0.00
HSL	43°, 100%, 80%
HSV	43°, 40%, 100%
XYZ	74.1009, 77.9197, 40.8500
YIQ	226.2350, 41.0380, -16.8660

# Conversions

## Conversions Part 2

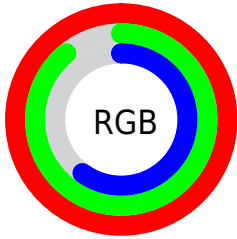
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	192, 255, 152
Decimal	16769688
CIE <sub>Lab</sub>	90.74, 0.08, 39.79
CIE <sub>LCh</sub>	91, 39.793, 89.879
Yxy	77.9197, 0.3842, 0.4040
Android (android.graphics.Color)	4294959768 (0xFFFFE298)
YUV	226.2350, -36.5979, 25.2269
Hunter-Lab	88.2721, -4.6328, 34.3527

# Details

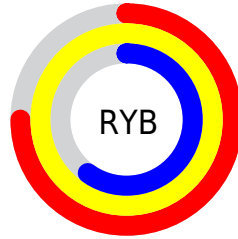
The Yxy color **77.9197, 0.3842, 0.4040** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **46.9435, 0.2429, 0.2400**, and the grayscale version is **76.4822, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2850, 0.3412, 0.3760**, and **41.9162, 0.3995, 0.4198** is the 20% darker color. If you saturate the color by 10%, you get **73.3542, 0.4040, 0.4215**, and if you desaturate by 10%, it is **82.8354, 0.3648, 0.3853**.

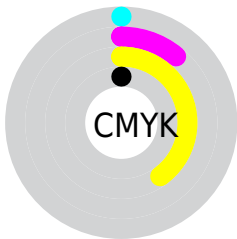
# Distribution



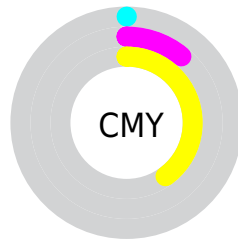
- Red (100%)
- Green (89%)
- Blue (60%)



- Red (75%)
- 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 77.9197, 0.3842, 0.4040 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 77.9197, 0.3842, 0.4040 by changing the saturation by 10% instead.





 77.9197, 0.3842,  
0.4040


 77.9197, 0.3842,  
0.4040


487.8941, 0.3522,  
0.3704

 58.0080, 0.3911,  
0.4112


 130.4369, 0.3734,  
0.3927

 41.8151, 0.3994,  
0.4199


 163.8112, 0.3691,  
0.3882

 28.9565, 0.4094,  
0.4304


202.4419, 0.3654,  
0.3842

 19.0479, 0.4216,  
0.4432

246.7133, 0.3621,  
0.3808

 11.7049, 0.4367,  
0.4590

297.0098, 0.3592,  
0.3778

 6.5431, 0.4547,  
0.4778

353.7159, 0.3566,

 3.1780, 0.4877,

0.3750

0.5123

417.2158, 0.3543,  
0.3726

■ 1.2254, 0.4878,  
0.5122

■ 0.0823, 0.4938,  
0.5062

■ 77.9197, 0.3842,  
0.4040

■ 77.9197, 0.3842,  
0.4040

■ 73.3542, 0.4040,  
0.4215

■ 82.8354, 0.3648,  
0.3853

■ 69.1143, 0.4236,  
0.4366

■ 88.1029, 0.3463,  
0.3663

■ 65.1889, 0.4418,  
0.4484

■ 93.7375, 0.3291,  
0.3476

■ 61.5608, 0.4580,  
0.4558

99.7502, 0.3133,  
0.3297

■ 58.2103, 0.4711,  
0.4582

99.9969, 0.3127,  
0.3290

■ 55.2192, 0.4810,  
0.4563

# Harmonies

## Analogous

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



77.9197, 0.4052, 0.3753



77.9197, 0.3842, 0.4040



77.9197, 0.3446, 0.4138

# Triad

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



77.9197, 0.3842, 0.4040



77.9197, 0.2327, 0.3094



77.9197, 0.3222, 0.2730

# Complementary

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



77.9197, 0.3842, 0.4040



46.9435, 0.2429, 0.2400

# 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.



77.9197, 0.2765, 0.2563



77.9197, 0.3842, 0.4040



77.9197, 0.2278, 0.2737

# Square

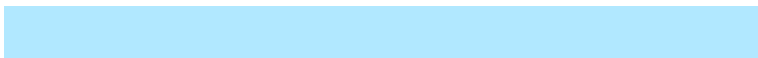
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.9197, 0.3842, 0.4040



77.9197, 0.2577, 0.3556



77.9197, 0.2430, 0.2558



77.9197, 0.3684, 0.3022

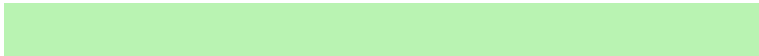


# Rectangle

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



77.9197, 0.3842, 0.4040



77.9197, 0.3136, 0.4051



77.9197, 0.2430, 0.2558



77.9197, 0.3062, 0.2658

# Sweetspot

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



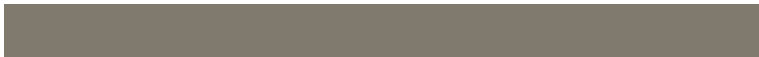
77.9233, 0.3842, 0.4040



92.8121, 0.3318, 0.3506



47.0657, 0.3860, 0.2987



19.7052, 0.3339, 0.3530



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.



77.9233, 0.3842, 0.4040



74.4214, 0.3993, 0.4175



91.0464, 0.3580, 0.4350



20.1759, 0.3276, 0.3460



29.1232, 0.4798, 0.4573



3.0209, 0.4712, 0.4640



# Inverse Universe

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



46.9435, 0.2429, 0.2400



39.8274, 0.2287, 0.2195



38.7205, 0.2528, 0.2092



18.2099, 0.2979, 0.3114



6.3940, 0.1598, 0.0951



0.7980, 0.1658, 0.1167



# Previews

## White Background



This preview shows how the Yxy color 77.9197, 0.3842, 0.4040 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

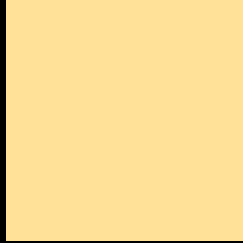
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.9197, 0.3842, 0.4040 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 77.9197, 0.3842, 0.4040**

## Background



This preview shows how black text looks on a background with the Yxy color 77.9197, 0.3842, 0.4040.



This preview shows how white text looks on a background with the Yxy color 77.9197, 0.3842, 0.4040.

# 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

77.9197, 0.3842, 0.4040

### Protanopia

77.7432, 0.3775, 0.4064

### Deuteranopia

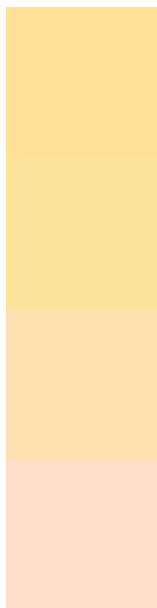
77.7969, 0.3582, 0.3617



## Tritanopia

77.7492, 0.3299, 0.3161

# Trichromacy



## Original Color

77.9197, 0.3842, 0.4040

## Protanomaly

77.7473, 0.3801, 0.4048

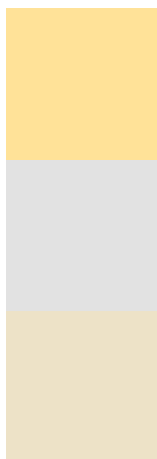
## Deuteranomaly

77.7456, 0.3678, 0.3771

## Tritanomaly

77.8143, 0.3498, 0.3484

# Monochromacy



## Original Color

77.9197, 0.3842, 0.4040

## 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 77.9197, 0.3842, 0.4040 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, 152)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 152)  
}
```

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, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 152) }
```

## Border

The CSS property to change the border of an element to Yxy 77.9197, 0.3842, 0.4040 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, 152) }
```

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

```
.border{ border-color:rgb(255, 226, 152) }
```

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, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 226, 152); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 226, 152); box-shadow:4px 4px 4px 4px rgb(255, 226, 152) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.9197, 0.3842, 0.4040 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, 152) }
```

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

```
.background{ background-color: rgb(255,  
226, 152) }
```

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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