

# Converting Colors

$Y_{xy}(77.0904, 0.3842, 0.4015)$

Have a look what the booklet for  
Yxy(77.0904, 0.3842, 0.4015)  
contains.

<b>Yxy(76.8712, 0.3844, 0.4012)</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(76.8712, 0.3844, 0.4012)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE099
RGB	255, 224, 153
RGB Percent	100%, 88%, 60%
CMY	0.0000, 0.1216, 0.4001
CMYK	0.00, 0.12, 0.40, 0.00
HSL	42°, 100%, 80%
HSV	42°, 40%, 100%
XYZ	73.6523, 76.8712, 41.0797
YIQ	225.1750, 41.2670, -15.5090

# Conversions

## Conversions Part 2

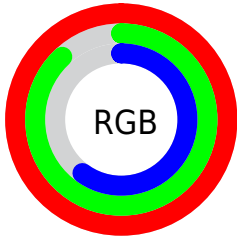
Format	Color
R <sub>Y</sub> B	198, 255, 153
Decimal	16769177
CIE Lab	90.26, 1.23, 38.69
CIE LCh	90, 38.713, 88.185
Yxy	76.8712, 0.3844, 0.4012
Android (android.graphics.Color)	4294959257 (0xFFFFE099)
YUV	225.1750, -35.5823, 26.1565
Hunter-Lab	87.6762, -3.4848, 33.5937

# Details

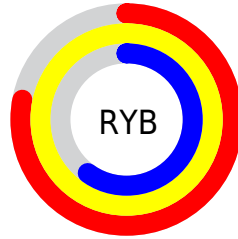
The Yxy color **76.8712, 0.3844, 0.4012** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **48.2603, 0.2441, 0.2438**, and the grayscale version is **75.6615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3341, 0.3406, 0.3751**, and **41.1858, 0.3999, 0.4163** is the 20% darker color. If you saturate the color by 10%, you get **72.0437, 0.4048, 0.4183**, and if you desaturate by 10%, it is **82.0635, 0.3645, 0.3830**.

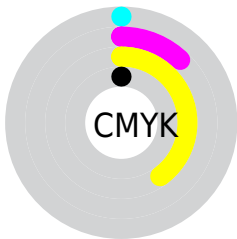
# Distribution



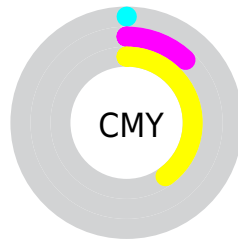
- Red (100%)
- Green (88%)
- Blue (60%)



- Red (78%)
- Yellow (100%)
- Blue (60%)



- Cyan (0%)
- Magenta (12%)
- Yellow (40%)
- Black (0%)




- Cyan (0%)
- Magenta (12%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.8712, 0.3844, 0.4012 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 76.8712, 0.3844, 0.4012 by changing the saturation by 10% instead.




 76.8712, 0.3844,  
0.4012


 76.8712, 0.3844,  
0.4012


484.3248, 0.3521,  
0.3689

 57.1472, 0.3914,  
0.4082


 128.9577, 0.3735,  
0.3903

 41.1234, 0.3998,  
0.4165


 162.0889, 0.3691,  
0.3859

 28.4155, 0.4101,  
0.4266


200.4579, 0.3654,  
0.3822

 18.6391, 0.4227,  
0.4390

244.4492, 0.3621,  
0.3789

 11.4098, 0.4383,  
0.4542

294.4472, 0.3591,  
0.3759

 6.3432, 0.4574,  
0.4724

350.8361, 0.3565,

 3.0549, 0.4932,

0.3733

0.5068

414.0005, 0.3542,  
0.3710

■ 1.1604, 0.4954,  
0.5046

■ 0.0290, 0.6646,  
0.3354

■ 76.8712, 0.3844,  
0.4012

■ 76.8712, 0.3844,  
0.4012

■ 72.0437, 0.4048,  
0.4183

■ 82.0635, 0.3645,  
0.3830

■ 67.5745, 0.4251,  
0.4332

■ 87.6411, 0.3458,  
0.3645

■ 63.4457, 0.4443,  
0.4447

■ 93.6138, 0.3285,  
0.3464

■ 59.6397, 0.4615,  
0.4519

99.9928, 0.3127,  
0.3290

■ 56.1364, 0.4758,  
0.4540

100.0000, 0.3127,  
0.3290

■ 52.9075, 0.4870,  
0.4515

# Harmonies

## Analogous

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



76.8712, 0.4035, 0.3725



76.8712, 0.3844, 0.4012



76.8712, 0.3464, 0.4119

# Triad

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



76.8712, 0.3844, 0.4012



76.8712, 0.2353, 0.3123



76.8712, 0.3193, 0.2728

# Complementary

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



76.8712, 0.3844, 0.4012



48.2603, 0.2441, 0.2438

# 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.



76.8712, 0.2750, 0.2573



76.8712, 0.3844, 0.4012



76.8712, 0.2293, 0.2766

# Square

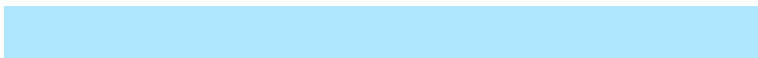
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.8712, 0.3844, 0.4012



76.8712, 0.2608, 0.3576



76.8712, 0.2432, 0.2579



76.8712, 0.3648, 0.3009

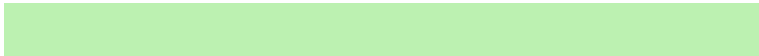


# Rectangle

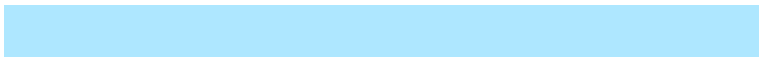
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.8712, 0.3844, 0.4012



76.8712, 0.3163, 0.4045



76.8712, 0.2432, 0.2579



76.8712, 0.3037, 0.2661

# Sweetspot

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



76.8687, 0.3844, 0.4012



92.3937, 0.3318, 0.3499



47.5480, 0.3816, 0.2954



19.6064, 0.3340, 0.3523



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.



76.8687, 0.3844, 0.4012



72.9849, 0.4007, 0.4150



91.7024, 0.3599, 0.4332



20.1042, 0.3277, 0.3455



27.9209, 0.4856, 0.4526



2.9113, 0.4762, 0.4601



# Inverse Universe

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



48.2603, 0.2441, 0.2438



40.8462, 0.2293, 0.2231



38.7276, 0.2510, 0.2096



18.2777, 0.2979, 0.3120



6.8103, 0.1612, 0.1003



0.8457, 0.1673, 0.1222



# Previews

## White Background



This preview shows how the Yxy color 76.8712, 0.3844, 0.4012 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

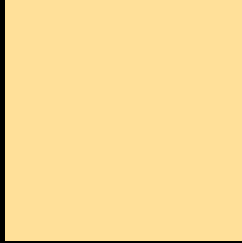
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.8712, 0.3844, 0.4012 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 76.8712, 0.3844, 0.4012**

## Background



This preview shows how black text looks on a background with the Yxy color 76.8712, 0.3844, 0.4012.



This preview shows how white text looks on a background with the Yxy color 76.8712, 0.3844, 0.4012.

# 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

76.8712, 0.3844, 0.4012

### Protanopia

76.8641, 0.3757, 0.4049

### Deuteranopia

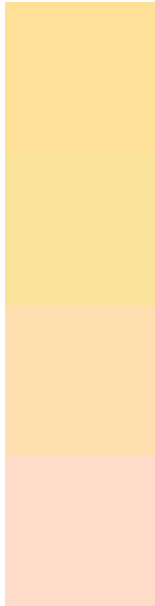
76.6037, 0.3608, 0.3628



## Tritanopia

76.5989, 0.3315, 0.3161

# Trichromacy



**Original Color**

76.8712, 0.3844, 0.4012

**Protanomaly**

76.8655, 0.3783, 0.4033

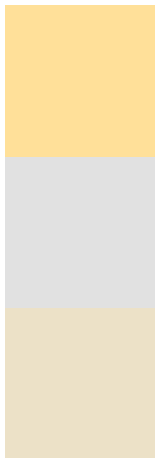
**Deuteranomaly**

76.5977, 0.3698, 0.3772

**Tritanomaly**

76.7107, 0.3510, 0.3474

# Monochromacy



**Original Color**

76.8712, 0.3844, 0.4012

**Achromatopsia**

75.2942, 0.3127, 0.3290

**Achromatomaly**

75.8068, 0.3380, 0.3567

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  76.8712, 0.3844, 0.4012 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, 224, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 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, 224, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 76.8712, 0.3844, 0.4012 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, 224, 153) }
```

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

```
.border{ border-color:rgb(255, 224, 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, 224, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.8712, 0.3844, 0.4012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 224, 153) }
```

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

```
.background{ background-color: rgb(255,  
224, 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