

# Converting Colors

$Y_{xy}(137.5073, 0.4985, 0.3595)$

Have a look what the booklet for  
Yxy(137.5073, 0.4985, 0.3595)  
contains.

<b>Yxy(78.0127, 0.3724, 0.3852)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(78.0127, 0.3724, 0.3852)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE1AA
RGB	255, 225, 170
RGB Percent	100%, 88%, 67%
CMY	0.0000, 0.1176, 0.3335
CMYK	0.00, 0.12, 0.33, 0.00
HSL	39°, 100%, 83%
HSV	39°, 33%, 100%
XYZ	75.4204, 78.0127, 49.0921
YIQ	227.7000, 35.5350, -10.7450

# Conversions

## Conversions Part 2

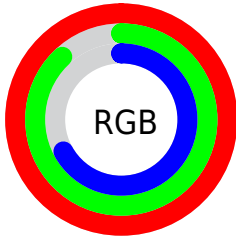
Format	Color
R <sub>Y</sub> B	216, 255, 170
Decimal	16769450
CIE Lab	90.79, 2.62, 30.75
CIE LCh	91, 30.864, 85.137
Yxy	78.0127, 0.3724, 0.3852
Android (android.graphics.Color)	4294959530 (0xFFFFE1AA)
YUV	227.7000, -28.4461, 23.9421
Hunter-Lab	88.3248, -2.1476, 28.8732

# Details

The Yxy color **78.0127, 0.3724, 0.3852** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **57.0487, 0.2570, 0.2653**, and the grayscale version is **77.5431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2710, 0.3298, 0.3572**, and **41.9041, 0.3857, 0.3980** is the 20% darker color. If you saturate the color by 10%, you get **72.4056, 0.3935, 0.4021**, and if you desaturate by 10%, it is **84.0666, 0.3526, 0.3679**.

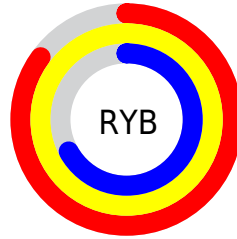
# Distribution



Red (100%)

Green (88%)

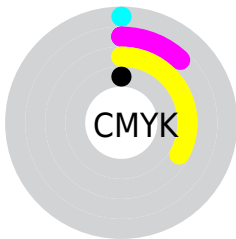
Blue (67%)



Red (85%)

Yellow (100%)

Blue (67%)

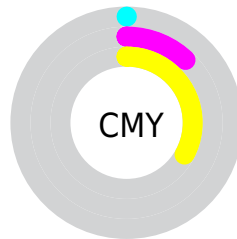


Cyan (0%)

Magenta (12%)

Yellow (33%)

Black (0%)



Cyan (0%)

Magenta (12%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.0127, 0.3724, 0.3852 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 78.0127, 0.3724, 0.3852 by changing the saturation by 10% instead.




 78.0127, 0.3724,  
0.3852

 78.0127, 0.3724,  
0.3852


488.2100, 0.3453,  
0.3600

 58.0844, 0.3784,  
0.3907


 130.5680, 0.3631,  
0.3766

 41.8765, 0.3857,  
0.3974


163.9639, 0.3595,  
0.3732

 29.0046, 0.3947,  
0.4055


202.6176, 0.3563,  
0.3703

 19.0843, 0.4060,  
0.4157

246.9138, 0.3536,  
0.3677

 11.7312, 0.4207,  
0.4287

297.2367, 0.3511,  
0.3654

 6.5609, 0.4399,  
0.4453

353.9708, 0.3490,

 3.1891, 0.4732,

0.3634

0.4740

417.5004, 0.3470,  
0.3616

■ 1.2312, 0.5041,  
0.4959

■ 0.0870, 0.6275,  
0.3725

■ 78.0127, 0.3724,  
0.3852

■ 78.0127, 0.3724,  
0.3852

■ 72.4056, 0.3935,  
0.4021

■ 84.0666, 0.3526,  
0.3679

■ 67.2254, 0.4154,  
0.4175

■ 90.5758, 0.3343,  
0.3508

■ 62.4577, 0.4373,  
0.4305

■ 97.5552, 0.3179,  
0.3343

■ 58.0850, 0.4580,  
0.4398

100.0000, 0.3127,  
0.3290

■ 54.0876, 0.4765,  
0.4444

■ 50.4421, 0.4919,  
0.4438

■ 48.1921, 0.5004,  
0.4408

# Harmonies

## Analogous

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



78.0127, 0.3852, 0.3620



78.0127, 0.3724, 0.3852



78.0127, 0.3437, 0.3943

# Triad

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



78.0127, 0.3724, 0.3852



78.0127, 0.2520, 0.3199



78.0127, 0.3145, 0.2818

# Complementary

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



78.0127, 0.3724, 0.3852



57.0487, 0.2570, 0.2653

# Split Complementary

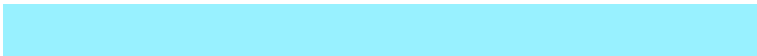
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.0127, 0.2796, 0.2704



78.0127, 0.3724, 0.3852



78.0127, 0.2452, 0.2900

# Square

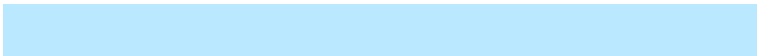
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.0127, 0.3724, 0.3852



78.0127, 0.2743, 0.3552



78.0127, 0.2549, 0.2729



78.0127, 0.3508, 0.3040



# Rectangle

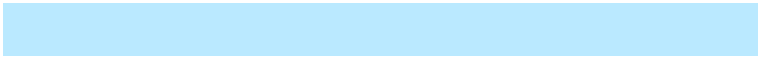
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.0127, 0.3724, 0.3852



78.0127, 0.3199, 0.3894



78.0127, 0.2549, 0.2729



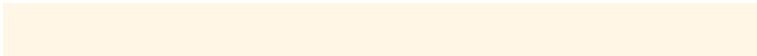
78.0127, 0.3022, 0.2766

# Sweetspot

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



78.0144, 0.3724, 0.3852



92.8603, 0.3286, 0.3452



54.2181, 0.3621, 0.2967



19.6694, 0.3310, 0.3475



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

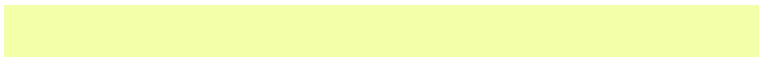
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.0144, 0.3724, 0.3852



74.2356, 0.3863, 0.3965



93.5933, 0.3554, 0.4148



19.9492, 0.3278, 0.3443



25.4729, 0.4987, 0.4422



2.6859, 0.4873, 0.4513



# Inverse Universe

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



57.0487, 0.2570, 0.2653



50.3771, 0.2451, 0.2500



45.8142, 0.2602, 0.2313



18.4258, 0.2979, 0.3132



7.8412, 0.1646, 0.1126



0.9599, 0.1709, 0.1350



# Previews

## White Background



This preview shows how the Yxy color 78.0127, 0.3724, 0.3852 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 78.0127, 0.3724, 0.3852 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

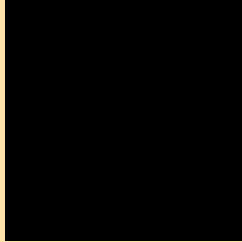
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.0127, 0.3724, 0.3852**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.0127, 0.3724, 0.3852.



This preview shows how white text looks on a background with the Yxy color 78.0127, 0.3724, 0.3852.

# 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

78.0127, 0.3724, 0.3852

### Protanopia

77.8396, 0.3632, 0.3886

### Deuteranopia

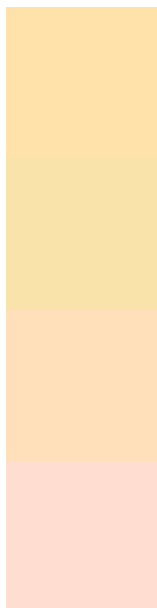
78.0209, 0.3546, 0.3566



## Tritanopia

77.7492, 0.3299, 0.3161

# Trichromacy



## Original Color

78.0127, 0.3724, 0.3852

## Protanomaly

78.0182, 0.3665, 0.3870

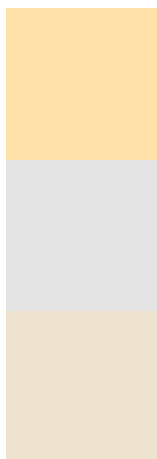
## Deuteranomaly

78.1592, 0.3607, 0.3668

## Tritanomaly

77.5764, 0.3458, 0.3412

# Monochromacy



## Original Color

78.0127, 0.3724, 0.3852

## Achromatopsia

77.5822, 0.3127, 0.3290

## Achromatomaly

77.6203, 0.3337, 0.3501

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.0127, 0.3724, 0.3852 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, 225, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 170)  
}
```

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, 225, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 78.0127, 0.3724, 0.3852 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, 225, 170) }
```

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

```
.border{ border-color:rgb(255, 225, 170) }
```

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

Here you see how a box with a 4 pixel rgb(255, 225, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.0127, 0.3724, 0.3852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 225, 170) }
```

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

```
.background{ background-color: rgb(255,  
225, 170) }
```

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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