

# Converting Colors

$Y_{xy}(79.6123, 0.3759, 0.3952)$

Have a look what the booklet for  
Yxy(79.6123, 0.3759, 0.3952)  
contains.

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# Color

**Yxy(79.3911, 0.3761, 0.3950)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE4A3
RGB	255, 228, 163
RGB Percent	100%, 89%, 64%
CMY	0.0001, 0.1058, 0.3606
CMYK	0.00, 0.11, 0.36, 0.00
HSL	42°, 100%, 82%
HSV	42°, 36%, 100%
XYZ	75.5924, 79.3911, 46.0066
YIQ	228.6630, 36.9570, -14.4910

# Conversions

## Conversions Part 2

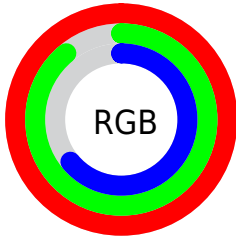
Format	Color
RYP	201, 255, 163
Decimal	16770211
CIELab	91.41, 0.27, 35.11
CIElCh	91, 35.114, 89.555
Yxy	79.3911, 0.3761, 0.3950
Android (android.graphics.Color)	4294960291 (0xFFFFE4A3)
YUV	228.6630, -32.3719, 23.0975
Hunter-Lab	89.1017, -4.4915, 31.7575

# Details

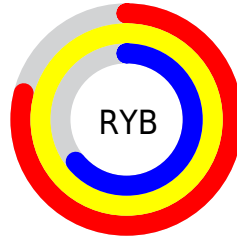
The Yxy color **79.3911, 0.3761, 0.3950** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **51.8414, 0.2512, 0.2525**, and the grayscale version is **78.3190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8420, 0.3345, 0.3651**, and **42.9052, 0.3893, 0.4090** is the 20% darker color. If you saturate the color by 10%, you get **74.5432, 0.3961, 0.4129**, and if you desaturate by 10%, it is **84.6087, 0.3568, 0.3764**.

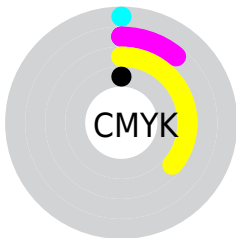
# Distribution



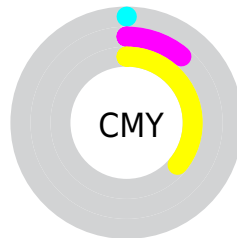
- Red (100%)
- Green (89%)
- Blue (64%)



- Red (79%)
- Yellow (100%)
- Blue (64%)



- Cyan (0%)
- Magenta (11%)
- Yellow (36%)
- Black (0%)




- Cyan (0%)
- Magenta (11%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.3911, 0.3761, 0.3950 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 79.3911, 0.3761, 0.3950 by changing the saturation by 10% instead.




 79.3911, 0.3761,  
0.3950


 79.3911, 0.3761,  
0.3950


492.8784, 0.3476,  
0.3654

 59.2174, 0.3823,  
0.4014


 132.5093, 0.3664,  
0.3850

 42.7882, 0.3898,  
0.4092


 166.2226, 0.3626,  
0.3810

 29.7189, 0.3989,  
0.4187


205.2180, 0.3593,  
0.3775

 19.6254, 0.4103,  
0.4304

249.8797, 0.3564,  
0.3745

 12.1230, 0.4246,  
0.4452

300.5922, 0.3538,  
0.3718

 6.8275, 0.4425,  
0.4637

357.7399, 0.3515,

 3.3545, 0.4794,

0.3694

0.5018

421.7072, 0.3495,  
0.3673

■ 1.3195, 0.4890,  
0.5110

■ 0.1562, 0.4983,  
0.5017

■ 79.3911, 0.3761,  
0.3950

■ 79.3911, 0.3761,  
0.3950

■ 74.5432, 0.3961,  
0.4129

■ 84.6087, 0.3568,  
0.3764

■ 70.0407, 0.4162,  
0.4289

■ 90.1973, 0.3387,  
0.3577

■ 65.8727, 0.4356,  
0.4421

■ 96.1723, 0.3221,  
0.3396

■ 62.0227, 0.4533,  
0.4513

99.9970, 0.3127,  
0.3290

■ 58.4722, 0.4683,  
0.4557

■ 55.1983, 0.4801,  
0.4550

■ 53.9720, 0.4842,  
0.4538

# Harmonies

## Analogous

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



79.3911, 0.3939, 0.3701



79.3911, 0.3761, 0.3950



79.3911, 0.3416, 0.4029

# Triad

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



79.3911, 0.3761, 0.3950



79.3911, 0.2422, 0.3127



79.3911, 0.3208, 0.2791

# Complementary

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



79.3911, 0.3761, 0.3950



51.8414, 0.2512, 0.2525

# 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.



79.3911, 0.2805, 0.2644



79.3911, 0.3761, 0.3950



79.3911, 0.2374, 0.2809

# Square

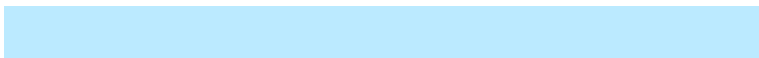
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.3911, 0.3761, 0.3950



79.3911, 0.2647, 0.3528



79.3911, 0.2509, 0.2644



79.3911, 0.3611, 0.3051

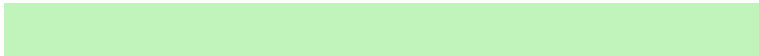


# Rectangle

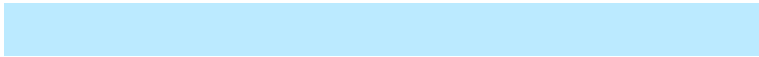
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.3911, 0.3761, 0.3950



79.3911, 0.3144, 0.3953



79.3911, 0.2509, 0.2644



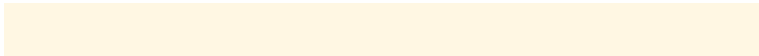
79.3911, 0.3067, 0.2727

# Sweetspot

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



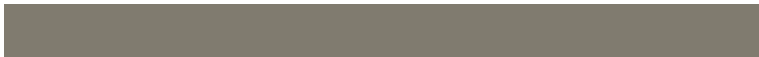
79.3948, 0.3761, 0.3950



93.1848, 0.3301, 0.3484



51.2095, 0.3736, 0.3003



19.7727, 0.3324, 0.3509



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

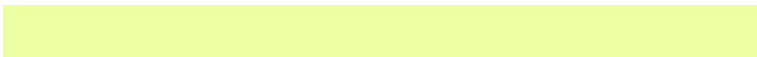
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.3948, 0.3761, 0.3950



76.0008, 0.3899, 0.4075



92.0903, 0.3545, 0.4232



20.1377, 0.3276, 0.3457



28.4767, 0.4829, 0.4548



2.9620, 0.4739, 0.4620



# Inverse Universe

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



51.8414, 0.2512, 0.2525



44.9209, 0.2383, 0.2347



43.3020, 0.2594, 0.2233



18.2460, 0.2979, 0.3117



6.6113, 0.1605, 0.0978



0.8231, 0.1666, 0.1196



# Previews

## White Background



This preview shows how the Yxy color 79.3911, 0.3761, 0.3950 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

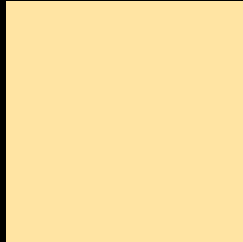
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.3911, 0.3761, 0.3950 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 79.3911, 0.3761, 0.3950**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.3911, 0.3761, 0.3950.



This preview shows how white text looks on a background with the Yxy color 79.3911, 0.3761, 0.3950.

# 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

79.3911, 0.3761, 0.3950

### Protanopia

79.2304, 0.3695, 0.3972

### Deuteranopia

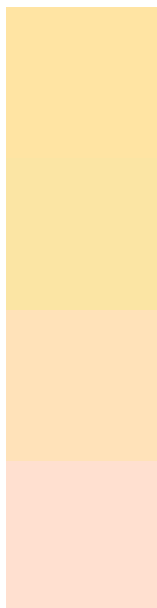
79.1876, 0.3528, 0.3565



## Tritanopia

79.4431, 0.3282, 0.3171

# Trichromacy



## Original Color

79.3911, 0.3761, 0.3950

## Protanomaly

79.2282, 0.3721, 0.3957

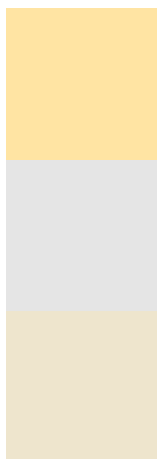
## Deuteranomaly

79.1555, 0.3616, 0.3708

## Tritanomaly

79.1254, 0.3459, 0.3453

# Monochromacy



## Original Color

79.3911, 0.3761, 0.3950

## Achromatopsia

78.3538, 0.3127, 0.3290

## Achromatomaly

78.6235, 0.3348, 0.3543

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.3911, 0.3761, 0.3950 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, 228, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 163)  
}
```

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, 228, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 163) }
```

## Border

The CSS property to change the border of an element to Yxy 79.3911, 0.3761, 0.3950 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, 228, 163) }
```

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

```
.border{ border-color:rgb(255, 228, 163) }
```

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

Here you see how a box with a 4 pixel rgb(255, 228, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
163) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.3911, 0.3761, 0.3950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 163) }
```

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

```
.background{ background-color: rgb(255,  
228, 163) }
```

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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