

# Converting Colors

$Y_{xy}(84.2687, 0.3932, 0.3845)$

Have a look what the booklet for  
Yxy(84.2687, 0.3932, 0.3845)  
contains.

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# Color

**Yxy(79.0253, 0.3731, 0.3891)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE3A8
RGB	255, 227, 168
RGB Percent	100%, 89%, 66%
CMY	0.0000, 0.1098, 0.3412
CMYK	0.00, 0.11, 0.34, 0.00
HSL	41°, 100%, 83%
HSV	41°, 34%, 100%
XYZ	75.7757, 79.0253, 48.2966
YIQ	228.6460, 35.6270, -12.4130

# Conversions

## Conversions Part 2

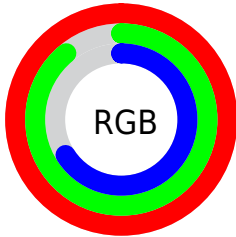
<b>Format</b>	<b>Color</b>
<b>RYB</b>	209, 255, 168
Decimal	16769960
CIELab	91.25, 1.36, 32.38
CIELCh	91, 32.407, 87.596
Yxy	79.0253, 0.3731, 0.3891
Android (android.graphics.Color)	4294960040 (0xFFFFE3A8)
YUV	228.6460, -29.8985, 23.1125
Hunter-Lab	88.8962, -3.4136, 30.0155

# Details

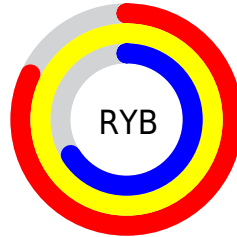
The Yxy color **79.0253, 0.3731, 0.3891** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **55.0124, 0.2552, 0.2603**, and the grayscale version is **78.2862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1618, 0.3310, 0.3592**, and **42.6132, 0.3864, 0.4029** is the 20% darker color. If you saturate the color by 10%, you get **73.7886, 0.3936, 0.4066**, and if you desaturate by 10%, it is **84.6693, 0.3536, 0.3711**.

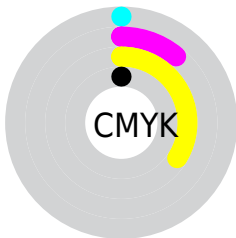
# Distribution



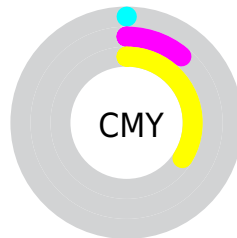
- Red (100%)
- Green (89%)
- Blue (66%)



- Red (82%)
- Yellow (100%)
- Blue (66%)



- Cyan (0%)
- Magenta (11%)
- Yellow (34%)
- Black (0%)




- Cyan (0%)
- Magenta (11%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.0253, 0.3731, 0.3891 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 79.0253, 0.3731, 0.3891 by changing the saturation by 10% instead.



 79.0253, 0.3731,  
0.3891


 79.0253, 0.3731,  
0.3891


491.6419, 0.3458,  
0.3621

 58.9166, 0.3791,  
0.3950

 131.9945, 0.3638,  
0.3799

 42.5460, 0.3863,  
0.4021


 165.6238, 0.3602,  
0.3763

 29.5291, 0.3953,  
0.4108


204.5287, 0.3570,  
0.3732

 19.4814, 0.4064,  
0.4217

249.0937, 0.3542,  
0.3704

 12.0186, 0.4207,  
0.4354

299.7031, 0.3517,  
0.3680

 6.7564, 0.4392,  
0.4529

356.7413, 0.3496,

 3.3102, 0.4722,

0.3658

0.4844

420.5928, 0.3476,  
0.3639

■ 1.2958, 0.4959,  
0.5041

■ 0.1379, 0.5436,  
0.4564

■ 79.0253, 0.3731,  
0.3891

■ 79.0253, 0.3731,  
0.3891

■ 73.7886, 0.3936,  
0.4066

■ 84.6693, 0.3536,  
0.3711

■ 68.9345, 0.4146,  
0.4225

■ 90.7229, 0.3355,  
0.3531

■ 64.4517, 0.4353,  
0.4359

■ 97.2017, 0.3190,  
0.3359

■ 60.3235, 0.4545,  
0.4454

100.0000, 0.3127,  
0.3290

■ 56.5307, 0.4714,  
0.4502

■ 53.0510, 0.4851,  
0.4498

■ 51.1349, 0.4918,  
0.4477

# Harmonies

## Analogous

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



79.0253, 0.3882, 0.3656



79.0253, 0.3731, 0.3891



79.0253, 0.3420, 0.3973

# Triad

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



79.0253, 0.3731, 0.3891



79.0253, 0.2481, 0.3164



79.0253, 0.3177, 0.2813

# Complementary

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



79.0253, 0.3731, 0.3891



55.0124, 0.2552, 0.2603

# 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.



79.0253, 0.2808, 0.2684



79.0253, 0.3731, 0.3891



79.0253, 0.2425, 0.2862

# Square

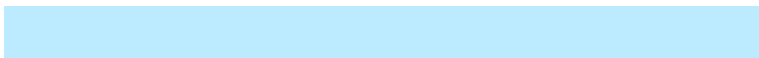
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.0253, 0.3731, 0.3891



79.0253, 0.2702, 0.3534



79.0253, 0.2540, 0.2696



79.0253, 0.3553, 0.3051

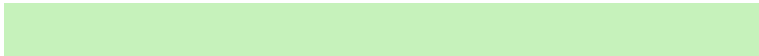


# Rectangle

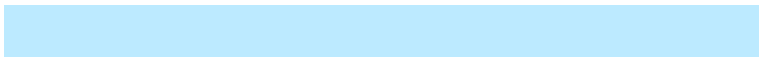
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.0253, 0.3731, 0.3891



79.0253, 0.3169, 0.3911



79.0253, 0.2540, 0.2696



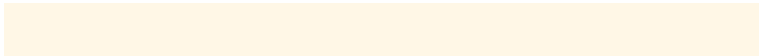
79.0253, 0.3048, 0.2756

# Sweetspot

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



79.0288, 0.3731, 0.3891



93.3424, 0.3285, 0.3459



53.2902, 0.3664, 0.2989



19.7863, 0.3309, 0.3484



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

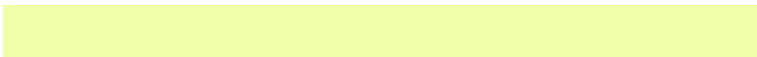
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.0288, 0.3731, 0.3891



75.3834, 0.3871, 0.4012



92.9590, 0.3544, 0.4174



20.0475, 0.3277, 0.3451



27.0013, 0.4903, 0.4489



2.8270, 0.4802, 0.4569



# Inverse Universe

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



55.0124, 0.2552, 0.2603



48.0623, 0.2426, 0.2436



45.2239, 0.2608, 0.2292



18.3316, 0.2979, 0.3124



7.1663, 0.1624, 0.1046



0.8858, 0.1686, 0.1268



# Previews

## White Background



This preview shows how the Yxy color 79.0253, 0.3731, 0.3891 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 79.0253, 0.3731, 0.3891 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

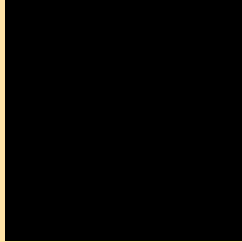
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.0253, 0.3731, 0.3891**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.0253, 0.3731, 0.3891.



This preview shows how white text looks on a background with the Yxy color 79.0253, 0.3731, 0.3891.

# 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

79.0253, 0.3731, 0.3891

### Protanopia

79.2324, 0.3654, 0.3923

### Deuteranopia

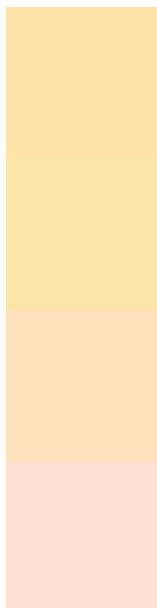
79.1876, 0.3528, 0.3565



## Tritanopia

78.9134, 0.3283, 0.3161

# Trichromacy



## Original Color

79.0253, 0.3731, 0.3891

## Protanomaly

79.2272, 0.3680, 0.3908

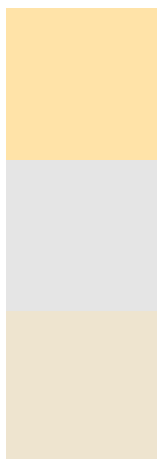
## Deuteranomaly

79.2406, 0.3602, 0.3688

## Tritanomaly

78.6885, 0.3447, 0.3422

# Monochromacy



## Original Color

79.0253, 0.3731, 0.3891

## Achromatopsia

78.3538, 0.3127, 0.3290

## Achromatomaly

78.1689, 0.3336, 0.3511

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.0253, 0.3731, 0.3891 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, 227, 168)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 168)  
}
```

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, 227, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 79.0253, 0.3731, 0.3891 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, 227, 168) }
```

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

```
.border{ border-color:rgb(255, 227, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 227, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 227, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 227, 168); box-shadow:4px 4px 4px 4px rgb(255, 227, 168) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.0253, 0.3731, 0.3891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 168) }
```

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

```
.background{ background-color: rgb(255,  
227, 168) }
```

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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