

# Converting Colors

$Y_{xy}(85.5959, 0.4112, 0.4049)$

Have a look what the booklet for  
Yxy(85.5959, 0.4112, 0.4049)  
contains.

<b>Yxy(78.7911, 0.3880, 0.4126)</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(78.7911, 0.3880, 0.4126)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE491
RGB	255, 228, 145
RGB Percent	100%, 89%, 57%
CMY	0.0000, 0.1059, 0.4315
CMYK	0.00, 0.11, 0.43, 0.00
HSL	45°, 100%, 78%
HSV	45°, 43%, 100%
XYZ	74.0934, 78.7911, 38.0779
YIQ	226.6110, 42.7350, -20.0890

# Conversions

## Conversions Part 2

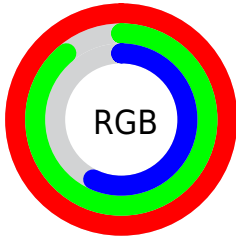
Format	Color
R <sub>Y</sub> B	181, 255, 145
Decimal	16770193
CIE Lab	91.14, -1.64, 43.82
CIE LCh	91, 43.847, 92.144
Yxy	78.7911, 0.3880, 0.4126
Android (android.graphics.Color)	4294960273 (0xFFFFE491)
YUV	226.6110, -40.2342, 24.8972
Hunter-Lab	88.7644, -6.3400, 36.7010

# Details

The Yxy color **78.7911, 0.3880, 0.4126** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **42.7280, 0.2369, 0.2276**, and the grayscale version is **76.7927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9501, 0.3454, 0.3830**, and **42.5478, 0.4037, 0.4300** is the 20% darker color. If you saturate the color by 10%, you get **74.7136, 0.4068, 0.4302**, and if you desaturate by 10%, it is **83.1754, 0.3691, 0.3934**.

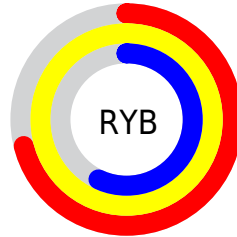
# Distribution



Red (100%)

Green (89%)

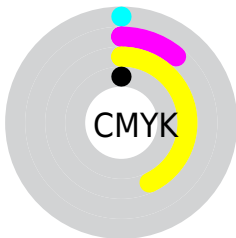
Blue (57%)



Red (71%)

Yellow (100%)

Blue (57%)

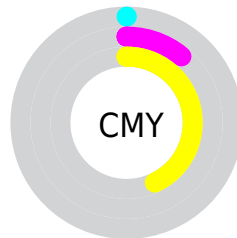


Cyan (0%)

Magenta (11%)

Yellow (43%)

Black (0%)



Cyan (0%)

Magenta (11%)


Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.7911, 0.3880, 0.4126 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 78.7911, 0.3880, 0.4126 by changing the saturation by 10% instead.




 78.7911, 0.3880,  
0.4126


 78.7911, 0.3880,  
0.4126

490.8494, 0.3546,  
0.3753

 58.7241, 0.3951,  
0.4206


 131.6647, 0.3768,  
0.4001

 42.3910, 0.4035,  
0.4301


 165.2401, 0.3724,  
0.3950

 29.4076, 0.4135,  
0.4415


204.0871, 0.3685,  
0.3907

 19.3894, 0.4255,  
0.4554

248.5900, 0.3650,  
0.3869

 11.9520, 0.4399,  
0.4721

299.1333, 0.3620,  
0.3835

 6.7110, 0.4569,  
0.4925

356.1014, 0.3593,

 3.2820, 0.4796,

0.3804

0.5204

419.8786, 0.3568,  
0.3777

■ 1.2807, 0.4767,  
0.5233

■ 0.1262, 0.3877,  
0.6123

■ 78.7911, 0.3880,  
0.4126

■ 78.7911, 0.3880,  
0.4126

■ 74.7136, 0.4068,  
0.4302

■ 83.1754, 0.3691,  
0.3934

■ 70.9211, 0.4249,  
0.4452

■ 87.8700, 0.3508,  
0.3736

■ 67.4016, 0.4412,  
0.4564

■ 92.8890, 0.3335,  
0.3539

■ 64.1383, 0.4551,  
0.4631

■ 98.2430, 0.3175,  
0.3348

■ 61.1110, 0.4659,  
0.4648

100.0000, 0.3127,  
0.3290

■ 59.1537, 0.4717,  
0.4636

# Harmonies

## Analogous

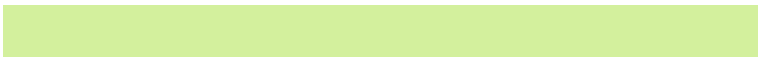
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.7911, 0.4133, 0.3817



78.7911, 0.3880, 0.4126



78.7911, 0.3434, 0.4221

# Triad

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



78.7911, 0.3880, 0.4126



78.7911, 0.2243, 0.3035



78.7911, 0.3269, 0.2700

# Complementary

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



78.7911, 0.3880, 0.4126



42.7280, 0.2369, 0.2276

# 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.



78.7911, 0.2763, 0.2508



78.7911, 0.3880, 0.4126



78.7911, 0.2207, 0.2661

# Square

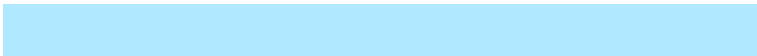
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.7911, 0.3880, 0.4126



78.7911, 0.2497, 0.3542



78.7911, 0.2388, 0.2486



78.7911, 0.3772, 0.3023

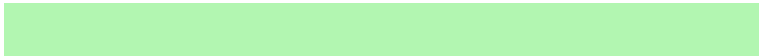


# Rectangle

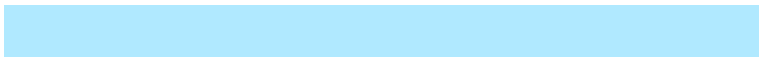
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.7911, 0.3880, 0.4126



78.7911, 0.3094, 0.4113



78.7911, 0.2388, 0.2486



78.7911, 0.3092, 0.2619

# Sweetspot

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



78.7940, 0.3880, 0.4126



92.9664, 0.3333, 0.3536



44.4985, 0.3974, 0.3004



19.6552, 0.3370, 0.3579



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.



78.7940, 0.3880, 0.4126



75.1676, 0.4047, 0.4283



89.9745, 0.3582, 0.4433



20.2913, 0.3275, 0.3468



31.1559, 0.4707, 0.4645



3.2046, 0.4635, 0.4701



# Inverse Universe

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



42.7280, 0.2369, 0.2276



34.8063, 0.2200, 0.2024



36.2863, 0.2505, 0.2007



18.1014, 0.2979, 0.3105



5.7991, 0.1577, 0.0875



0.7273, 0.1634, 0.1082



# Previews

## White Background



This preview shows how the Yxy color 78.7911, 0.3880, 0.4126 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 78.7911, 0.3880, 0.4126 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 78.7911, 0.3880, 0.4126**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.7911, 0.3880, 0.4126.



This preview shows how white text looks on a background with the Yxy color 78.7911, 0.3880, 0.4126.

# 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

78.7911, 0.3880, 0.4126

### Protanopia

78.9929, 0.3827, 0.4147

### Deuteranopia

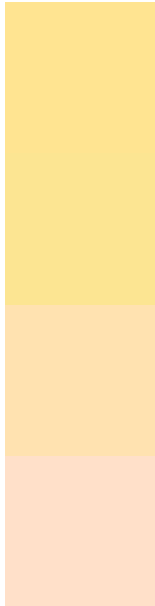
78.9607, 0.3563, 0.3616



## Tritanopia

78.8561, 0.3290, 0.3171

# Trichromacy



## Original Color

78.7911, 0.3880, 0.4126

## Protanomaly

78.8094, 0.3846, 0.4133

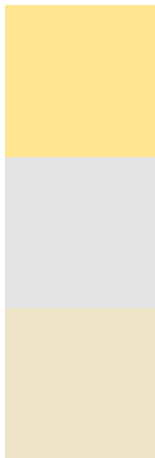
## Deuteranomaly

78.7873, 0.3679, 0.3800

## Tritanomaly

78.7884, 0.3509, 0.3524

# Monochromacy



## Original Color

78.7911, 0.3880, 0.4126

## Achromatopsia

76.8151, 0.3127, 0.3290

## Achromatomaly

76.9739, 0.3398, 0.3609

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.7911, 0.3880, 0.4126 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, 145)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 145)  
}
```

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, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 145) }
```

## Border

The CSS property to change the border of an element to Yxy 78.7911, 0.3880, 0.4126 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, 145) }
```

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

```
.border{ border-color:rgb(255, 228, 145) }
```

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, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 145);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
145) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.7911, 0.3880, 0.4126 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, 145) }
```

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

```
.background{ background-color: rgb(255,  
228, 145) }
```

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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