

# Converting Colors

Yxy(95.4714, 0.4417, 0.4003)

Have a look what the booklet for  
Yxy(95.4714, 0.4417, 0.4003)  
contains.

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# Color

**Yxy(79.1921, 0.3907, 0.4182)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE58C
RGB	255, 229, 140
RGB Percent	100%, 90%, 55%
CMY	0.0001, 0.1019, 0.4511
CMYK	0.00, 0.10, 0.45, 0.00
HSL	46°, 100%, 77%
HSV	46°, 45%, 100%
XYZ	73.9846, 79.1921, 36.1875
YIQ	226.6280, 44.0650, -22.1670

# Conversions

## Conversions Part 2

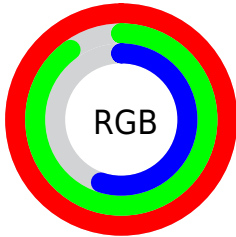
Format	Color
<a href="#">RYB</a>	<a href="#">174, 255, 140</a>
Decimal	<a href="#">16770444</a>
CIELab	<a href="#">91.32, -2.65, 46.50</a>
CIELCh	<a href="#">91, 46.576, 93.259</a>
Yxy	<a href="#">79.1921, 0.3907, 0.4182</a>
Android (android.graphics.Color)	<a href="#">4294960524</a> (0xFFFFE58C)
YUV	<a href="#">226.6280, -42.7076, 24.8822</a>
Hunter-Lab	<a href="#">88.9899, -7.3308, 38.1829</a>

# Details

The Yxy color **79.1921, 0.3907, 0.4182** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.0409, 0.2327, 0.2193**, and the grayscale version is **76.8225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7201, 0.3484, 0.3880**, and **42.7124, 0.4057, 0.4369** is the 20% darker color. If you saturate the color by 10%, you get **75.3961, 0.4089, 0.4357**, and if you desaturate by 10%, it is **83.2754, 0.3722, 0.3989**.

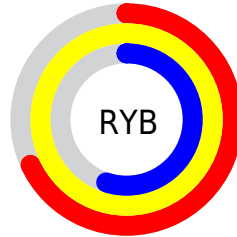
# Distribution



Red (100%)

Green (90%)

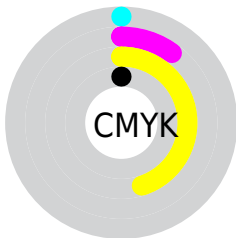
Blue (55%)



Red (68%)

Yellow (100%)

Blue (55%)

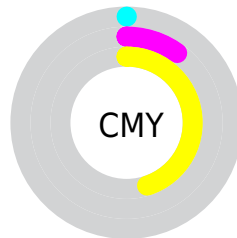


Cyan (0%)

Magenta (10%)

Yellow (45%)

Black (0%)



Cyan (0%)

Magenta (10%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.1921, 0.3907, 0.4182 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 79.1921, 0.3907, 0.4182 by changing the saturation by 10% instead.




 79.1921, 0.3907,  
0.4182


 79.1921, 0.3907,  
0.4182


492.2060, 0.3564,  
0.3785


 59.0538, 0.3979,  
0.4266

 132.2293, 0.3793,  
0.4049

 42.6564, 0.4064,  
0.4367

 165.8969, 0.3747,  
0.3996

 29.6156, 0.4164,  
0.4487


 204.8431, 0.3707,  
0.3949

 19.5470, 0.4283,  
0.4631

249.4522, 0.3671,  
0.3908

 12.0662, 0.4420,  
0.4803

300.1086, 0.3640,  
0.3872

 6.7888, 0.4590,  
0.5022

357.1968, 0.3612,

 3.3304, 0.4749,

0.3840

421.1011, 0.3587,  
0.3811

0.5251

■ 1.3065, 0.4703,  
0.5297

■ 0.1463, 0.3371,  
0.6629

■ 79.1921, 0.3907,  
0.4182

■ 79.1921, 0.3907,  
0.4182

■ 75.3961, 0.4089,  
0.4357

■ 83.2754, 0.3722,  
0.3989

■ 71.8630, 0.4260,  
0.4503

■ 87.6468, 0.3540,  
0.3787

■ 68.5817, 0.4411,  
0.4610

■ 92.3212, 0.3367,  
0.3584

■ 65.5351, 0.4536,  
0.4671

■ 97.3090, 0.3205,  
0.3387

■ 62.7024, 0.4631,  
0.4682

99.9952, 0.3127,  
0.3290

■ 61.3787, 0.4669,  
0.4675

# Harmonies

## Analogous

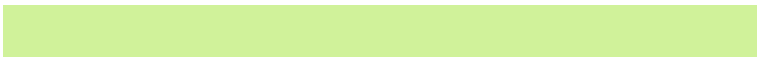
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.1921, 0.4187, 0.3857



79.1921, 0.3907, 0.4182



79.1921, 0.3429, 0.4278

# Triad

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



79.1921, 0.3907, 0.4182



79.1921, 0.2189, 0.2999



79.1921, 0.3297, 0.2679

# Complementary

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



79.1921, 0.3907, 0.4182



40.0409, 0.2327, 0.2193

# 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.



79.1921, 0.2759, 0.2470



79.1921, 0.3907, 0.4182



79.1921, 0.2161, 0.2613

# Square

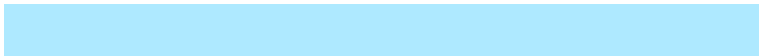
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.1921, 0.3907, 0.4182



79.1921, 0.2446, 0.3536



79.1921, 0.2358, 0.2439



79.1921, 0.3828, 0.3021

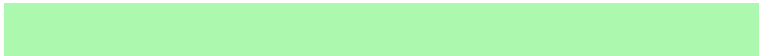


# Rectangle

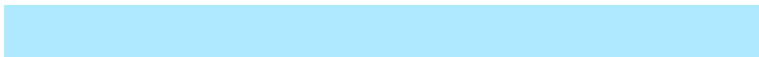
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.1921, 0.3907, 0.4182



79.1921, 0.3070, 0.4157



79.1921, 0.2358, 0.2439



79.1921, 0.3109, 0.2592

# Sweetspot

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



79.1958, 0.3907, 0.4182



92.8761, 0.3349, 0.3562



42.7878, 0.4053, 0.3012



19.6562, 0.3385, 0.3605



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

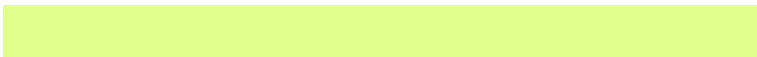
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.1958, 0.3907, 0.4182



75.8184, 0.4069, 0.4339



89.2932, 0.3586, 0.4490



20.3543, 0.3275, 0.3473



32.3136, 0.4659, 0.4683



3.3085, 0.4595, 0.4734



# Inverse Universe

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



40.0409, 0.2327, 0.2193



32.3228, 0.2156, 0.1932



34.5859, 0.2484, 0.1947



18.0427, 0.2979, 0.3100



5.5128, 0.1566, 0.0838



0.6920, 0.1622, 0.1039



# Previews

## White Background



This preview shows how the Yxy color 79.1921, 0.3907, 0.4182 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

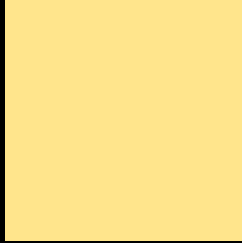
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.1921, 0.3907, 0.4182 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

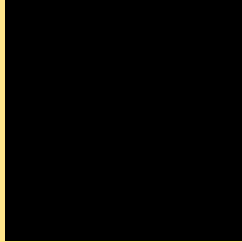
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.1921, 0.3907, 0.4182**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.1921, 0.3907, 0.4182.

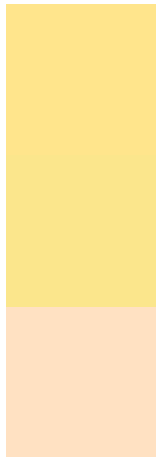


This preview shows how white text looks on a background with the Yxy color 79.1921, 0.3907, 0.4182.

# 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

79.1921, 0.3907, 0.4182

### Protanopia

78.9963, 0.3872, 0.4201

### Deuteranopia

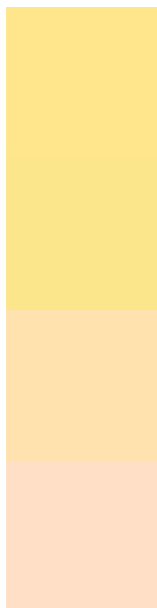
79.0055, 0.3556, 0.3606



## Tritanopia

78.8561, 0.3290, 0.3171

# Trichromacy



## Original Color

79.1921, 0.3907, 0.4182

## Protanomaly

79.1825, 0.3880, 0.4199

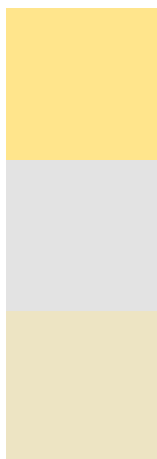
## Deuteranomaly

78.7087, 0.3693, 0.3821

## Tritanomaly

78.6948, 0.3523, 0.3545

# Monochromacy



## Original Color

79.1921, 0.3907, 0.4182

## Achromatopsia

76.8151, 0.3127, 0.3290

## Achromatomaly

77.4315, 0.3409, 0.3640

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.1921, 0.3907, 0.4182 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, 229, 140)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 140)  
}
```

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, 229, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 140) }
```

## Border

The CSS property to change the border of an element to Yxy 79.1921, 0.3907, 0.4182 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, 229, 140) }
```

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

```
.border{ border-color:rgb(255, 229, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 229, 140); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 229, 140); box-shadow:4px 4px 4px 4px rgb(255, 229, 140) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.1921, 0.3907, 0.4182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 140) }
```

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

```
.background{ background-color: rgb(255,  
229, 140) }
```

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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