

# Converting Colors

$Yxy(88.7903, 0.3658, 0.4072)$

Have a look what the booklet for  
Yxy(88.7903, 0.3658, 0.4072)  
contains.

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# Color

**Yxy(88.7903, 0.3658, 0.4072)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCF5A7
RGB	252, 245, 167
RGB Percent	99%, 96%, 65%
CMY	0.0119, 0.0391, 0.3451
CMYK	0.00, 0.03, 0.34, 0.01
HSL	55°, 93%, 82%
HSV	55°, 34%, 99%
XYZ	79.7630, 88.7903, 49.4975
YIQ	238.2010, 29.2100, -22.7740

# Conversions

## Conversions Part 2

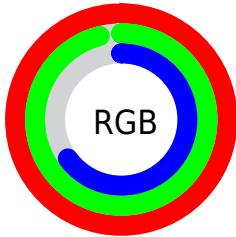
Format	Color
<a href="#">RYB</a>	<a href="#">175, 252, 167</a>
Decimal	<a href="#">16577959</a>
CIELab	<a href="#">95.49, -8.95, 38.45</a>
CIELCh	<a href="#">95, 39.476, 103.109</a>
Yxy	<a href="#">88.7903, 0.3658, 0.4072</a>
Android (android.graphics.Color)	<a href="#">4294768039 (0xFFFCF5A7)</a>
YUV	<a href="#">238.2010, -35.1021, 12.1017</a>
Hunter-Lab	<a href="#">94.2286, -13.8027, 34.8155</a>

# Details

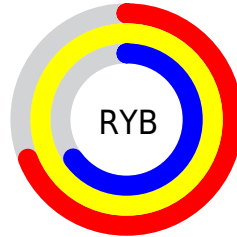
The Yxy color **88.7903, 0.3658, 0.4072** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.4978, 0.2527, 0.2365**, and the grayscale version is **85.9236, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1077, 0.3315, 0.3601**, and **49.0794, 0.3759, 0.4243** is the 20% darker color. If you saturate the color by 10%, you get **86.7117, 0.3815, 0.4294**, and if you desaturate by 10%, it is **91.0724, 0.3497, 0.3839**.

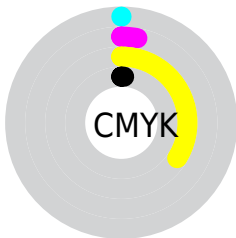
# Distribution



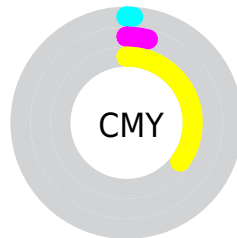
- Red (99%)
- Green (96%)
- Blue (65%)



- Red (69%)
- Yellow (99%)
- Blue (65%)



- Cyan (0%)
- Magenta (3%)
- Yellow (34%)
- Black (1%)




- Cyan (1%)
- Magenta (4%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.7903, 0.3658, 0.4072 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 88.7903, 0.3658, 0.4072 by changing the saturation by 10% instead.




 88.7903, 0.3658,  
0.4072


 88.7903, 0.3658,  
0.4072

524.0878, 0.3429,  
0.3721

 66.9778, 0.3706,  
0.4148


 145.6569, 0.3582,  
0.3953

 49.0666, 0.3762,  
0.4241


 181.4798, 0.3551,  
0.3906

 34.6723, 0.3830,  
0.4354


222.7416, 0.3525,  
0.3865

 23.4105, 0.3911,  
0.4495

269.8267, 0.3501,  
0.3829

 14.8969, 0.4008,  
0.4674

323.1194, 0.3480,  
0.3798

 8.7471, 0.4121,  
0.4906

383.0043, 0.3461,

 4.5766, 0.4291,

0.3769

449.8656, 0.3444,  
0.3744

0.5266

■ 2.0010, 0.4365,  
0.5635

■ 0.6081, 0.3715,  
0.6285

■ 88.7903, 0.3658,  
0.4072

■ 88.7903, 0.3658,  
0.4072

■ 86.7117, 0.3815,  
0.4294

■ 91.0724, 0.3497,  
0.3839

■ 84.8138, 0.3961,  
0.4495

■ 93.5557, 0.3337,  
0.3604

■ 83.0890, 0.4090,  
0.4664

■ 96.2532, 0.3183,  
0.3373

■ 81.5241, 0.4196,  
0.4795

■ 98.3218, 0.3109,  
0.3273

■ 80.1038, 0.4275,  
0.4881

99.4285, 0.3108,  
0.3290

■ 78.8095, 0.4326,  
0.4922

■ 78.0437, 0.4347,  
0.4930

# Harmonies

## Analogous

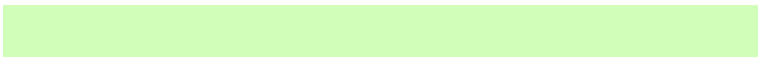
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.7903, 0.3946, 0.3868



88.7903, 0.3658, 0.4072



88.7903, 0.3238, 0.4052

# Triad

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



88.7903, 0.3658, 0.4072



88.7903, 0.2319, 0.2938



88.7903, 0.3419, 0.2867

# Complementary

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



88.7903, 0.3658, 0.4072



45.4978, 0.2527, 0.2365

# 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.



88.7903, 0.2966, 0.2649



88.7903, 0.3658, 0.4072



88.7903, 0.2358, 0.2667

# Square

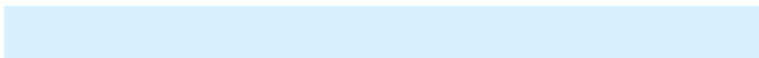
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.7903, 0.3658, 0.4072



88.7903, 0.2477, 0.3346



88.7903, 0.2585, 0.2573



88.7903, 0.3812, 0.3184

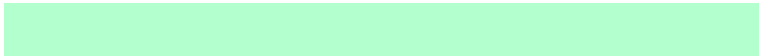


# Rectangle

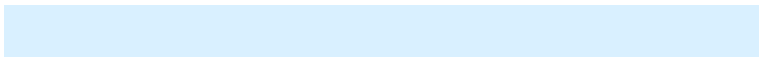
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.7903, 0.3658, 0.4072



88.7903, 0.2944, 0.3892



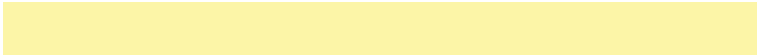
88.7903, 0.2585, 0.2573



88.7903, 0.3267, 0.2781

# Sweetspot

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



88.7943, 0.3658, 0.4072



97.1421, 0.3279, 0.3518



51.3894, 0.3856, 0.3217



20.7103, 0.3301, 0.3550



0.0000, 0.0000, 0.0000

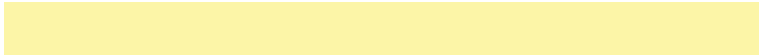


21.4041, 0.3127, 0.3290

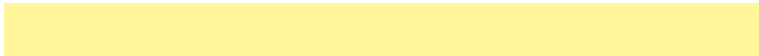


# Same Dimension

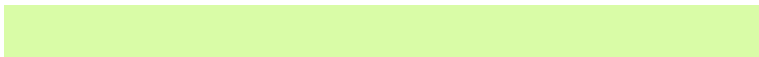
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.7943, 0.3658, 0.4072



89.8741, 0.3758, 0.4214



87.0733, 0.3394, 0.4206



19.9336, 0.3271, 0.3506



40.7721, 0.4344, 0.4933



3.8459, 0.4324, 0.4949



# Inverse Universe

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



45.4978, 0.2527, 0.2365



39.6008, 0.2397, 0.2158



47.2808, 0.2774, 0.2348



16.8709, 0.2979, 0.3065



4.0150, 0.1515, 0.0652

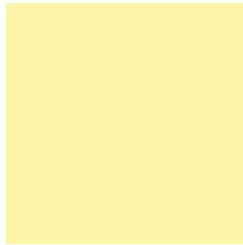


0.4477, 0.1547, 0.0768



# Previews

## White Background



This preview shows how the Yxy color 88.7903, 0.3658, 0.4072 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 88.7903, 0.3658, 0.4072 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

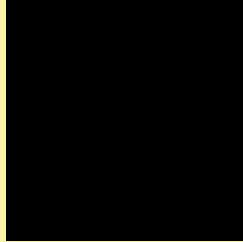
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 88.7903, 0.3658, 0.4072**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.7903, 0.3658, 0.4072.



This preview shows how white text looks on a background with the Yxy color 88.7903, 0.3658, 0.4072.

# 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

88.7903, 0.3658, 0.4072

### Protanopia

88.7955, 0.3498, 0.3740

### Deuteranopia

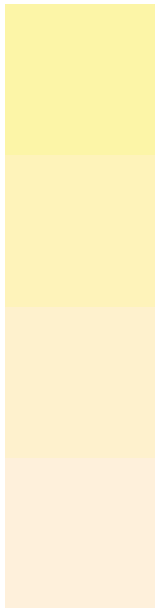
88.4840, 0.3316, 0.3419



## Tritanopia

88.6679, 0.3172, 0.3174

# Trichromacy



## Original Color

88.7903, 0.3658, 0.4072

## Protanomaly

88.7172, 0.3559, 0.3861

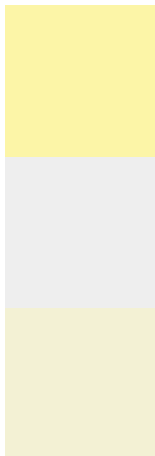
## Deuteranomaly

88.3892, 0.3442, 0.3650

## Tritanomaly

88.5055, 0.3353, 0.3499

# Monochromacy



## Original Color

88.7903, 0.3658, 0.4072

## Achromatopsia

85.4993, 0.3127, 0.3290

## Achromatomaly

86.7187, 0.3321, 0.3586

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.7903, 0.3658, 0.4072 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(252, 245, 167)` looks like.

```
.text, #text, p{  
    color:rgb(252, 245, 167)  
}
```

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(252, 245, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 245, 167) }
```

## Border

The CSS property to change the border of an element to Yxy 88.7903, 0.3658, 0.4072 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(252, 245, 167) }
```

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

```
.border{ border-color:rgb(252, 245, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 245, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 245, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 245, 167);  
box-shadow:4px 4px 4px 4px rgb(252, 245,  
167) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.7903, 0.3658, 0.4072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 245, 167) }
```

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

```
.background{ background-color: rgb(252,  
245, 167) }
```

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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