

# Converting Colors

$Y_{xy}(97.2109, 0.4000, 0.4026)$

Have a look what the booklet for  
Yxy(97.2109, 0.4000, 0.4026)  
contains.

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# Color

**Yxy(88.5700, 0.3713, 0.4105)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF4A2
RGB	255, 244, 162
RGB Percent	100%, 96%, 64%
CMY	0.0001, 0.0431, 0.3645
CMYK	0.00, 0.04, 0.36, 0.00
HSL	53°, 100%, 82%
HSV	53°, 36%, 100%
XYZ	80.1122, 88.5700, 47.0791
YIQ	237.9410, 32.8780, -23.1700

# Conversions

## Conversions Part 2

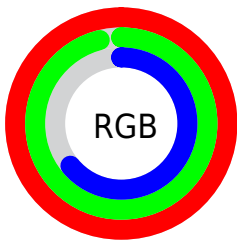
Format	Color
<a href="#">RYB</a>	<a href="#">174, 255, 162</a>
Decimal	<a href="#">16774306</a>
<a href="#">CIELab</a>	<a href="#">95.40, -7.87, 40.83</a>
<a href="#">CIElCh</a>	<a href="#">95, 41.586, 100.907</a>
<a href="#">Yxy</a>	<a href="#">88.5700, 0.3713, 0.4105</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4294964386 (0xFFFFF4A2)</a>
<a href="#">YUV</a>	<a href="#">237.9410, -37.4389, 14.9607</a>
<a href="#">Hunter-Lab</a>	<a href="#">94.1116, -12.7479, 36.2185</a>

# Details

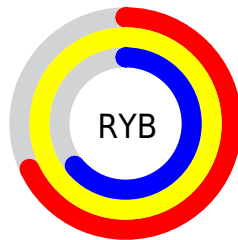
The Yxy color **88.5700, 0.3713, 0.4105** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **44.8052, 0.2477, 0.2316**, and the grayscale version is **85.7326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8420, 0.3345, 0.3651**, and **48.9409, 0.3829, 0.4281** is the 20% darker color. If you saturate the color by 10%, you get **85.9588, 0.3875, 0.4316**, and if you desaturate by 10%, it is **91.4028, 0.3547, 0.3881**.

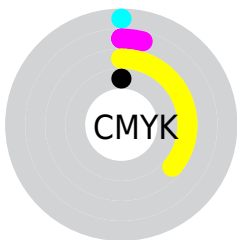
# Distribution



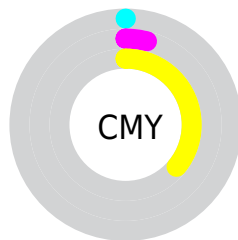
- Red (100%)
- Green (96%)
- Blue (64%)



- Red (68%)
- Yellow (100%)
- Blue (64%)



- Cyan (0%)
- Magenta (4%)
- Yellow (36%)
- Black (0%)




- Cyan (0%)
- Magenta (4%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.5700, 0.3713, 0.4105 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 88.5700, 0.3713, 0.4105 by changing the saturation by 10% instead.





 88.5700, 0.3713,  
0.4105

 88.5700, 0.3713,  
0.4105

523.3681, 0.3460,  
0.3741

 66.7952, 0.3766,  
0.4184


 145.3505, 0.3629,  
0.3982

 48.9182, 0.3827,  
0.4278

 181.1249, 0.3596,  
0.3933

 34.5546, 0.3901,  
0.4394


222.3348, 0.3566,  
0.3891

 23.3200, 0.3989,  
0.4536

269.3643, 0.3540,  
0.3854

 14.8300, 0.4094,  
0.4716

322.5981, 0.3517,  
0.3821

 8.7001, 0.4214,  
0.4942

382.4203, 0.3496,

 4.5461, 0.4426,

0.3791

0.5331

449.2155, 0.3477,  
0.3765

■ 1.9835, 0.4426,  
0.5574

■ 0.5979, 0.3862,  
0.6138

■ 88.5700, 0.3713,  
0.4105

■ 88.5700, 0.3713,  
0.4105

■ 85.9588, 0.3875,  
0.4316

■ 91.4028, 0.3547,  
0.3881

■ 83.5457, 0.4026,  
0.4505

■ 94.4554, 0.3383,  
0.3654

■ 81.3223, 0.4160,  
0.4660

■ 97.7416, 0.3225,  
0.3430

■ 79.2743, 0.4270,  
0.4775

99.9975, 0.3127,  
0.3290

■ 77.3852, 0.4353,  
0.4844

■ 75.6342, 0.4407,  
0.4869

■ 75.0343, 0.4422,  
0.4871

# Harmonies

## Analogous

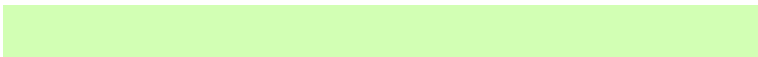
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.5700, 0.4004, 0.3874



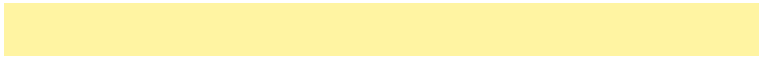
88.5700, 0.3713, 0.4105



88.5700, 0.3277, 0.4107

# Triad

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



88.5700, 0.3713, 0.4105



88.5700, 0.2284, 0.2944



88.5700, 0.3399, 0.2825

# Complementary

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



88.5700, 0.3713, 0.4105



44.8052, 0.2477, 0.2316

# 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.



88.5700, 0.2923, 0.2606



88.5700, 0.3713, 0.4105



88.5700, 0.2310, 0.2649

# Square

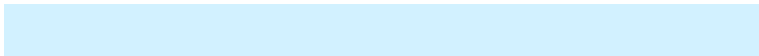
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.5700, 0.3713, 0.4105



88.5700, 0.2463, 0.3383



88.5700, 0.2533, 0.2538

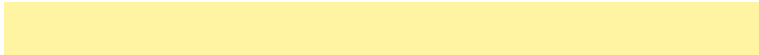


88.5700, 0.3825, 0.3150

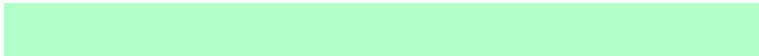


# Rectangle

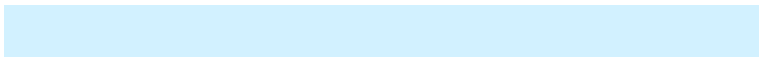
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.5700, 0.3713, 0.4105



88.5700, 0.2966, 0.3952



88.5700, 0.2533, 0.2538



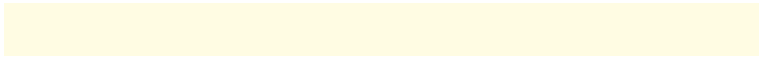
88.5700, 0.3238, 0.2737

# Sweetspot

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



88.5740, 0.3713, 0.4105



96.2272, 0.3296, 0.3531



50.1900, 0.3896, 0.3162



20.5014, 0.3317, 0.3561



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

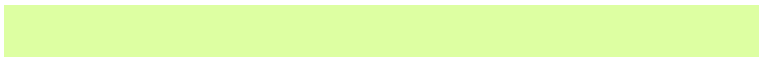
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.5740, 0.3713, 0.4105



86.5899, 0.3836, 0.4266



89.4801, 0.3445, 0.4277



20.7027, 0.3272, 0.3498



39.3572, 0.4418, 0.4874



3.9312, 0.4389, 0.4897



# Inverse Universe

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



44.8052, 0.2477, 0.2316



36.8371, 0.2322, 0.2074



44.8313, 0.2702, 0.2253



17.7232, 0.2979, 0.3073



4.3694, 0.1524, 0.0684

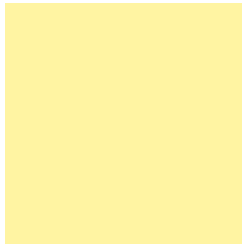


0.5308, 0.1564, 0.0830



# Previews

## White Background



This preview shows how the Yxy color 88.5700, 0.3713, 0.4105 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

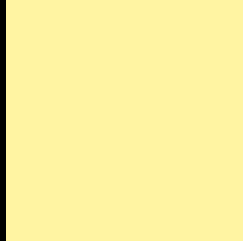
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.5700, 0.3713, 0.4105 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

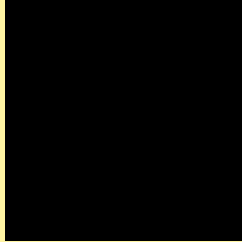
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 88.5700, 0.3713, 0.4105**

## Background



This preview shows how black text looks on a background with the Yxy color 88.5700, 0.3713, 0.4105.

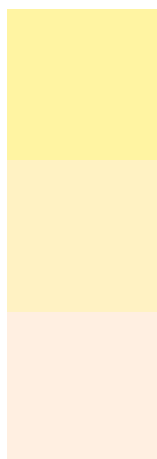


This preview shows how white text looks on a background with the Yxy color 88.5700, 0.3713, 0.4105.

# 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

88.5700, 0.3713, 0.4105

### Protanopia

88.7044, 0.3511, 0.3760

### Deuteranopia

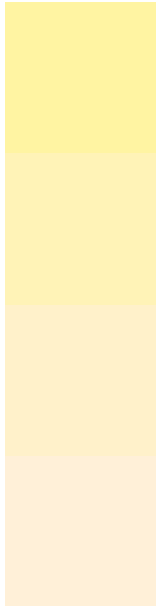
88.4292, 0.3323, 0.3429



## Tritanopia

88.5438, 0.3185, 0.3193

# Trichromacy



## Original Color

88.5700, 0.3713, 0.4105

## Protanomaly

88.7801, 0.3586, 0.3890

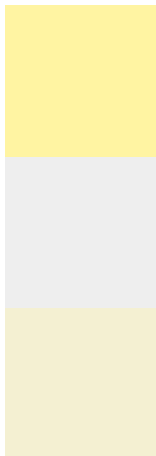
## Deuteranomaly

88.4349, 0.3468, 0.3680

## Tritanomaly

88.5380, 0.3379, 0.3529

# Monochromacy



## Original Color

88.5700, 0.3713, 0.4105

## Achromatopsia

85.4993, 0.3127, 0.3290

## Achromatomaly

86.2064, 0.3342, 0.3596

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.5700, 0.3713, 0.4105 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, 244, 162)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 162)  
}
```

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, 244, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 162) }
```

## Border

The CSS property to change the border of an element to Yxy 88.5700, 0.3713, 0.4105 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, 244, 162) }
```

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

```
.border{ border-color:rgb(255, 244, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 244, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 162);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
162) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.5700, 0.3713, 0.4105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 162) }
```

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

```
.background{ background-color: rgb(255,  
244, 162) }
```

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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