

# Converting Colors

$Yxy(88.7833, 0.3592, 0.3901)$

Have a look what the booklet for  
Yxy(88.7833, 0.3592, 0.3901)  
contains.

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# Color

**Yxy(88.7386, 0.3592, 0.3900)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF3B6
RGB	255, 243, 182
RGB Percent	100%, 95%, 71%
CMY	0.0000, 0.0470, 0.2863
CMYK	0.00, 0.05, 0.29, 0.00
HSL	50°, 100%, 86%
HSV	50°, 29%, 100%
XYZ	81.7305, 88.7386, 57.0657
YIQ	239.6340, 26.7330, -16.4270

# Conversions

## Conversions Part 2

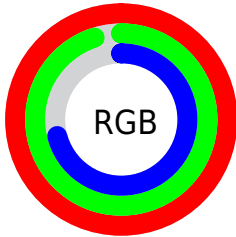
Format	Color
R <sub>Y</sub> B	196, 255, 182
Decimal	16774070
CIE Lab	95.47, -5.01, 30.94
CIE LCh	95, 31.344, 99.204
Yxy	88.7386, 0.3592, 0.3900
Android (android.graphics.Color)	4294964150 (0xFFFFF3B6)
YUV	239.6340, -28.4136, 13.4760
Hunter-Lab	94.2012, -9.9824, 30.0238

# Details

The Yxy color **88.7386, 0.3592, 0.3900** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **55.7307, 0.2637, 0.2595**, and the grayscale version is **87.0478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.9530, 0.3226, 0.3454**, and **48.9959, 0.3680, 0.4029** is the 20% darker color. If you saturate the color by 10%, you get **85.3060, 0.3765, 0.4113**, and if you desaturate by 10%, it is **92.4283, 0.3422, 0.3683**.

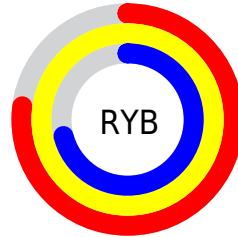
# Distribution



Red (100%)

Green (95%)

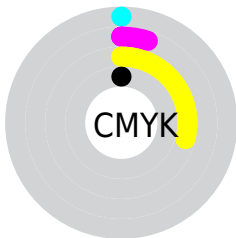
Blue (71%)



Red (77%)

Yellow (100%)

Blue (71%)

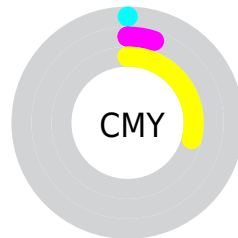


Cyan (0%)

Magenta (5%)

Yellow (29%)

Black (0%)



Cyan (0%)

Magenta (5%)


Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.7386, 0.3592, 0.3900 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 88.7386, 0.3592, 0.3900 by changing the saturation by 10% instead.





 88.7386, 0.3592,  
0.3900

 88.7386, 0.3592,  
0.3900

523.9190, 0.3388,  
0.3627

 66.9349, 0.3636,  
0.3960


 145.5850, 0.3524,  
0.3807

 49.0317, 0.3688,  
0.4032


181.3965, 0.3496,  
0.3771

 34.6447, 0.3752,  
0.4121


222.6461, 0.3472,  
0.3739

 23.3893, 0.3830,  
0.4233

269.7182, 0.3451,  
0.3711

 14.8812, 0.3930,  
0.4378

322.9971, 0.3433,  
0.3686

 8.7361, 0.4055,  
0.4570

382.8673, 0.3416,

 4.5694, 0.4214,

0.3664

0.4828

449.7131, 0.3401,  
0.3645

■ 1.9969, 0.4591,  
0.5409

■ 0.6057, 0.4280,  
0.5720

■ 88.7386, 0.3592,  
0.3900

■ 88.7386, 0.3592,  
0.3900

■ 85.3060, 0.3765,  
0.4113

■ 92.4283, 0.3422,  
0.3683

■ 82.1076, 0.3936,  
0.4312

■ 96.3731, 0.3259,  
0.3469

■ 79.1356, 0.4097,  
0.4488

99.9987, 0.3127,  
0.3290

■ 76.3771, 0.4240,  
0.4630

■ 73.8170, 0.4360,  
0.4729

■ 71.4379, 0.4452,  
0.4782

■ 69.2149, 0.4515,  
0.4791

■ 68.9185, 0.4523,  
0.4791

# Harmonies

## Analogous

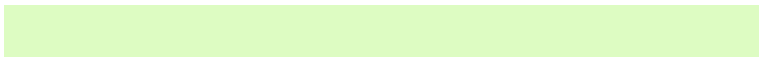
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.7386, 0.3797, 0.3730



88.7386, 0.3592, 0.3900



88.7386, 0.3267, 0.3901

# Triad

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



88.7386, 0.3592, 0.3900



88.7386, 0.2484, 0.3053



88.7386, 0.3315, 0.2920

# Complementary

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



88.7386, 0.3592, 0.3900



55.7307, 0.2637, 0.2595

# 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.



88.7386, 0.2957, 0.2756



88.7386, 0.3592, 0.3900



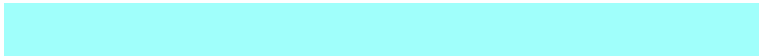
88.7386, 0.2494, 0.2815

# Square

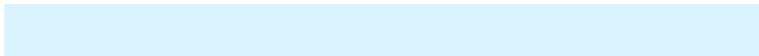
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.7386, 0.3592, 0.3900



88.7386, 0.2635, 0.3384



88.7386, 0.2661, 0.2714

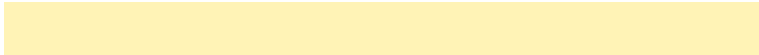


88.7386, 0.3636, 0.3173

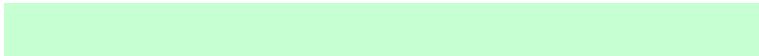


# Rectangle

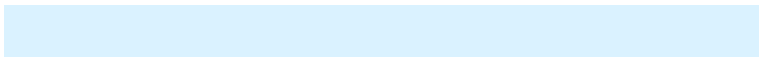
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.7386, 0.3592, 0.3900



88.7386, 0.3031, 0.3791



88.7386, 0.2661, 0.2714



88.7386, 0.3194, 0.2854

# Sweetspot

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



88.7426, 0.3592, 0.3900



96.2292, 0.3265, 0.3476



58.6092, 0.3656, 0.3165



20.4709, 0.3288, 0.3507



0.0000, 0.0000, 0.0000

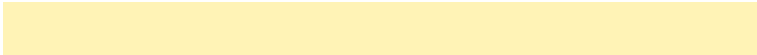


21.4041, 0.3127, 0.3290

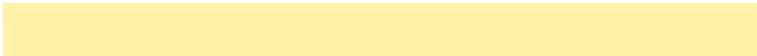


# Same Dimension

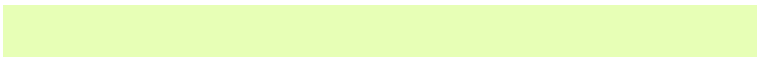
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.7426, 0.3592, 0.3900



86.8729, 0.3685, 0.4015



91.8241, 0.3397, 0.4049



20.5532, 0.3273, 0.3487



36.2021, 0.4517, 0.4796



3.6541, 0.4473, 0.4830



# Inverse Universe

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



55.7307, 0.2637, 0.2595



49.2512, 0.2533, 0.2441



53.8357, 0.2793, 0.2493



17.8592, 0.2979, 0.3085



4.7730, 0.1539, 0.0740

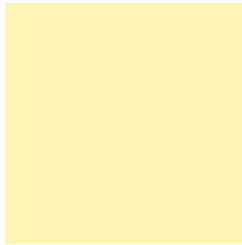


0.5945, 0.1588, 0.0915



# Previews

## White Background



This preview shows how the Yxy color 88.7386, 0.3592, 0.3900 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

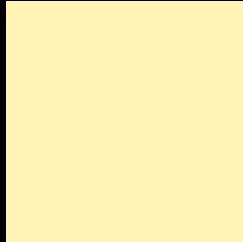
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.7386, 0.3592, 0.3900 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

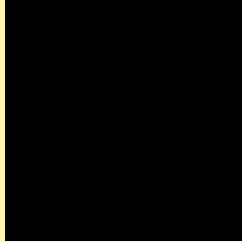
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 88.7386, 0.3592, 0.3900**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.7386, 0.3592, 0.3900.

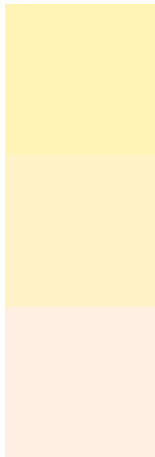


This preview shows how white text looks on a background with the Yxy color 88.7386, 0.3592, 0.3900.

# 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

88.7386, 0.3592, 0.3900

### Protanopia

88.8878, 0.3486, 0.3719

### Deuteranopia

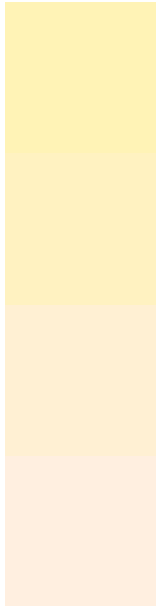
88.5391, 0.3310, 0.3409



## Tritanopia

88.6057, 0.3179, 0.3184

# Trichromacy



## Original Color

88.7386, 0.3592, 0.3900

## Protanomaly

88.6145, 0.3524, 0.3780

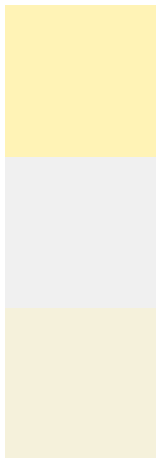
## Deuteranomaly

88.2833, 0.3412, 0.3579

## Tritanomaly

88.3748, 0.3329, 0.3439

# Monochromacy



## Original Color

88.7386, 0.3592, 0.3900

## Achromatopsia

87.1367, 0.3127, 0.3290

## Achromatomaly

87.4375, 0.3290, 0.3513

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.7386, 0.3592, 0.3900 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, 243, 182)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 182)  
}
```

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, 243, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 88.7386, 0.3592, 0.3900 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, 243, 182) }
```

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

```
.border{ border-color:rgb(255, 243, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 243, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 182);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.7386, 0.3592, 0.3900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 182) }
```

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

```
.background{ background-color: rgb(255,  
243, 182) }
```

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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