

# Converting Colors

$Yxy(91.1918, 0.3862, 0.4190)$

Have a look what the booklet for  
Yxy(91.1918, 0.3862, 0.4190)  
contains.

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# Color

**Yxy(88.7992, 0.3776, 0.4218)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF597
RGB	255, 245, 151
RGB Percent	100%, 96%, 59%
CMY	0.0000, 0.0393, 0.4078
CMYK	0.00, 0.04, 0.41, 0.00
HSL	54°, 100%, 80%
HSV	54°, 41%, 100%
XYZ	79.4940, 88.7992, 42.2312
YIQ	237.2740, 36.1340, -27.1140

# Conversions

## Conversions Part 2

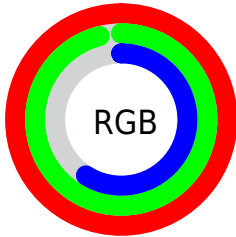
Format	Color
<b>R<sub>YB</sub></b>	162, 255, 151
Decimal	16774551
CIE <sub>Lab</sub>	95.50, -9.50, 46.38
CIE <sub>LCh</sub>	95, 47.343, 101.576
Yxy	88.7992, 0.3776, 0.4218
Android (android.graphics.Color)	4294964631 (0xFFFFF597)
YUV	237.2740, -42.5331, 15.5457
Hunter-Lab	94.2333, -14.3280, 39.3922

# Details

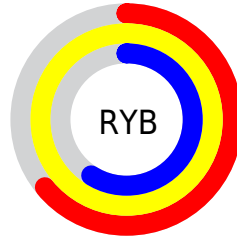
The Yxy color **88.7992, 0.3776, 0.4218** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.2972, 0.2384, 0.2150**, and the grayscale version is **85.2182, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2362, 0.3418, 0.3770**, and **49.1474, 0.3901, 0.4415** is the 20% darker color. If you saturate the color by 10%, you get **86.5763, 0.3929, 0.4424**, and if you desaturate by 10%, it is **91.2080, 0.3614, 0.3995**.

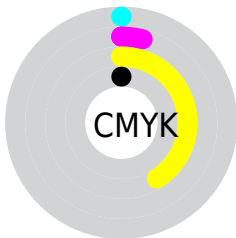
# Distribution



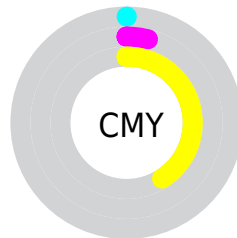
- Red (100%)
- Green (96%)
- Blue (59%)



- Red (64%)
- Yellow (100%)
- Blue (59%)



- Cyan (0%)
- Magenta (4%)
- Yellow (41%)
- Black (0%)




- Cyan (0%)
- Magenta (4%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.7992, 0.3776, 0.4218 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 88.7992, 0.3776, 0.4218 by changing the saturation by 10% instead.




 88.7992, 0.3776,  
0.4218

 88.7992, 0.3776,  
0.4218

524.1169, 0.3499,  
0.3805

 66.9851, 0.3832,  
0.4306


 145.6693, 0.3685,  
0.4079

 49.0726, 0.3898,  
0.4412


 181.4941, 0.3649,  
0.4024

 34.6770, 0.3974,  
0.4540


222.7580, 0.3616,  
0.3976

 23.4142, 0.4063,  
0.4696

269.8453, 0.3587,  
0.3933

 14.8996, 0.4164,  
0.4888

323.1405, 0.3562,  
0.3896

 8.7490, 0.4270,  
0.5122

383.0279, 0.3539,

 4.5778, 0.4466,

0.3862

0.5534

449.8919, 0.3518,  
0.3832

■ 2.0018, 0.4333,  
0.5667

■ 0.6085, 0.3628,  
0.6372

■ 88.7992, 0.3776,  
0.4218

■ 88.7992, 0.3776,  
0.4218

■ 86.5763, 0.3929,  
0.4424

■ 91.2080, 0.3614,  
0.3995

■ 84.5470, 0.4067,  
0.4602

■ 93.8329, 0.3451,  
0.3763

■ 82.6917, 0.4185,  
0.4743

■ 96.6773, 0.3291,  
0.3532

■ 80.9954, 0.4276,  
0.4841

■ 99.7502, 0.3139,  
0.3307

■ 79.4401, 0.4340,  
0.4893

100.0000, 0.3127,  
0.3290

■ 78.1050, 0.4377,  
0.4907

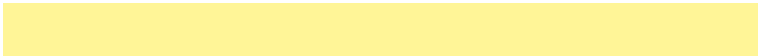
# Harmonies

## Analogous

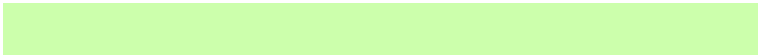
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.7992, 0.4115, 0.3949



88.7992, 0.3776, 0.4218



88.7992, 0.3278, 0.4225

# Triad

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



88.7992, 0.3776, 0.4218



88.7992, 0.2177, 0.2882



88.7992, 0.3446, 0.2773

# Complementary

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



88.7992, 0.3776, 0.4218



39.2972, 0.2384, 0.2150

# 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.



88.7992, 0.2904, 0.2527



88.7992, 0.3776, 0.4218



88.7992, 0.2212, 0.2558

# Square

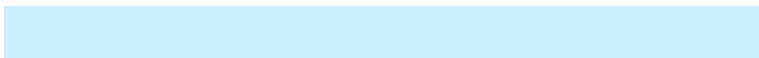
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.7992, 0.3776, 0.4218



88.7992, 0.2369, 0.3379



88.7992, 0.2464, 0.2445

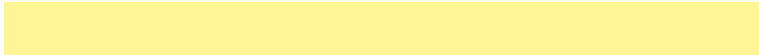


88.7992, 0.3930, 0.3136

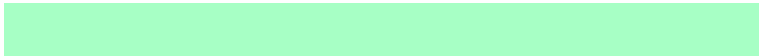


# Rectangle

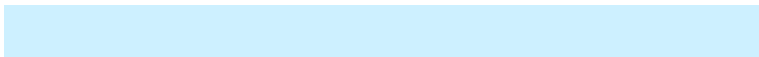
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.7992, 0.3776, 0.4218



88.7992, 0.2928, 0.4043



88.7992, 0.2464, 0.2445



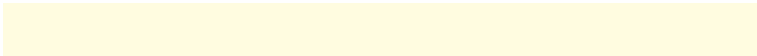
88.7992, 0.3263, 0.2675

# Sweetspot

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



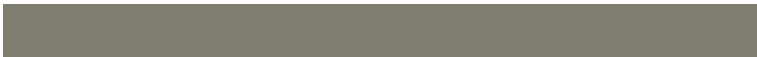
88.7927, 0.3776, 0.4218



96.3184, 0.3311, 0.3560



45.9839, 0.4069, 0.3183



20.5346, 0.3331, 0.3590



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

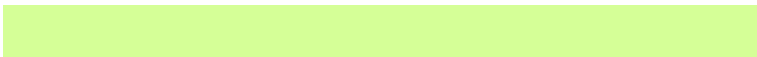
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.7927, 0.3776, 0.4218



86.9569, 0.3902, 0.4389



87.9613, 0.3454, 0.4409



20.7741, 0.3272, 0.3503



40.9340, 0.4373, 0.4910



4.0688, 0.4350, 0.4928



# Inverse Universe

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



39.2972, 0.2384, 0.2150



31.3393, 0.2213, 0.1877



40.6420, 0.2665, 0.2123



17.6589, 0.2979, 0.3068



4.2187, 0.1518, 0.0663

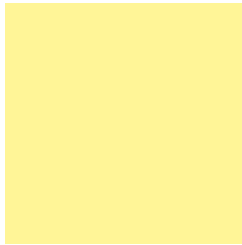


0.5006, 0.1553, 0.0789



# Previews

## White Background



This preview shows how the Yxy color 88.7992, 0.3776, 0.4218 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 88.7992, 0.3776, 0.4218 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 88.7992, 0.3776, 0.4218**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.7992, 0.3776, 0.4218.

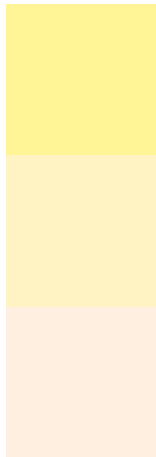


This preview shows how white text looks on a background with the Yxy color 88.7992, 0.3776, 0.4218.

# 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

88.7992, 0.3776, 0.4218

### Protanopia

88.7044, 0.3511, 0.3760

### Deuteranopia

88.4292, 0.3323, 0.3429



## Tritanopia

88.5438, 0.3185, 0.3193

# Trichromacy



## Original Color

88.7992, 0.3776, 0.4218



## Protanomaly

88.6159, 0.3611, 0.3930



## Deuteranomaly

88.2478, 0.3494, 0.3720



## Tritanomaly

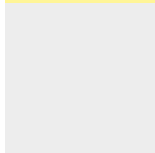
88.3336, 0.3405, 0.3569

# Monochromacy



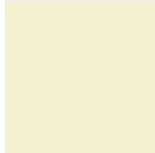
## Original Color

88.7992, 0.3776, 0.4218



## Achromatopsia

84.6873, 0.3127, 0.3290



## Achromatomaly

86.0095, 0.3367, 0.3638

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.7992, 0.3776, 0.4218 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, 245, 151)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 151)  
}
```

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, 245, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 151) }
```

## Border

The CSS property to change the border of an element to Yxy 88.7992, 0.3776, 0.4218 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, 245, 151) }
```

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

```
.border{ border-color:rgb(255, 245, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 245, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 151);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
151) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.7992, 0.3776, 0.4218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 151) }
```

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

```
.background{ background-color: rgb(255,  
245, 151) }
```

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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