

# Converting Colors

$Y_{xy}(100.0000, 0.3826, 0.3658)$

Have a look what the booklet for  
Yxy(100.0000, 0.3826, 0.3658)  
contains.

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# Color

**Yxy(88.9813, 0.3473, 0.3699)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF2C9
RGB	255, 242, 201
RGB Percent	100%, 95%, 79%
CMY	0.0000, 0.0510, 0.2118
CMYK	0.00, 0.05, 0.21, 0.00
HSL	46°, 100%, 89%
HSV	46°, 21%, 100%
XYZ	83.5448, 88.9813, 68.0290
YIQ	241.2130, 20.9090, -9.9950

# Conversions

## Conversions Part 2

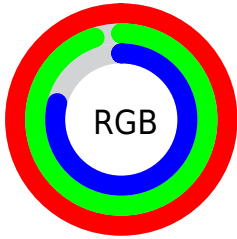
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	218, 255, 201
Decimal	16773833
CIE Lab	95.57, -1.96, 21.39
CIE LCh	96, 21.478, 95.233
Yxy	88.9813, 0.3473, 0.3699
Android (android.graphics.Color)	4294963913 (0xFFFFF2C9)
YUV	241.2130, -19.8250, 12.0912
Hunter-Lab	94.3299, -6.9860, 23.2721

# Details

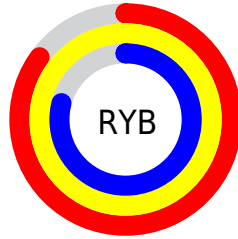
The Yxy color **88.9813, 0.3473, 0.3699** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **67.7334, 0.2780, 0.2845**, and the grayscale version is **88.2828, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.2302, 0.3547, 0.3786** is the 20% darker color. If you saturate the color by 10%, you get **84.2812, 0.3653, 0.3899**, and if you desaturate by 10%, it is **93.9970, 0.3302, 0.3502**.

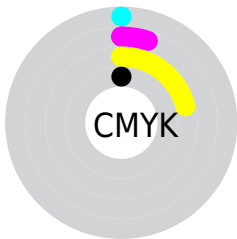
# Distribution



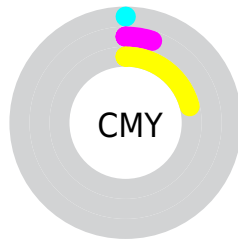
- Red (100%)
- Green (95%)
- Blue (79%)



- Red (85%)
- Yellow (100%)
- Blue (79%)



- Cyan (0%)
- Magenta (5%)
- Yellow (21%)
- Black (0%)




- Cyan (0%)
- Magenta (5%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.9813, 0.3473, 0.3699 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 88.9813, 0.3473, 0.3699 by changing the saturation by 10% instead.




 88.9813, 0.3473,  
0.3699

 88.9813, 0.3473,  
0.3699

524.7115, 0.3319,  
0.3516

 67.1361, 0.3506,  
0.3739


145.9226, 0.3421,  
0.3637

 49.1952, 0.3547,  
0.3788


181.7874, 0.3400,  
0.3612

 34.7743, 0.3597,  
0.3848


223.0941, 0.3383,  
0.3591

 23.4891, 0.3660,  
0.3925


270.2273, 0.3367,  
0.3572

 14.9551, 0.3742,  
0.4026

323.5712, 0.3353,  
0.3556

 8.7879, 0.3852,  
0.4162

383.5103, 0.3341,

 4.6031, 0.4006,

0.3541

450.4289, 0.3329,  
0.3528

0.4356

2.0163, 0.4335,  
0.4763

0.6169, 0.4661,  
0.5339

88.9813, 0.3473,  
0.3699

88.9813, 0.3473,  
0.3699

84.2812, 0.3653,  
0.3899

93.9970, 0.3302,  
0.3502

79.8953, 0.3841,  
0.4093

99.3482, 0.3145,  
0.3312

75.8085, 0.4029,  
0.4274

100.0000, 0.3127,  
0.3290

72.0079, 0.4210,  
0.4431

■ 68.4791, 0.4375,  
0.4552

■ 65.2059, 0.4518,  
0.4629

■ 62.1688, 0.4630,  
0.4657

■ 59.6593, 0.4706,  
0.4645

# Harmonies

## Analogous

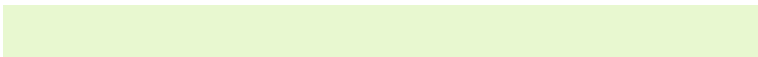
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.9813, 0.3595, 0.3578



88.9813, 0.3473, 0.3699



88.9813, 0.3260, 0.3709

# Triad

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



88.9813, 0.3473, 0.3699



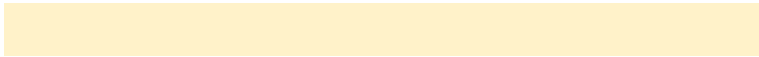
88.9813, 0.2688, 0.3161



88.9813, 0.3226, 0.3012

# Complementary

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



88.9813, 0.3473, 0.3699



67.7334, 0.2780, 0.2845

# 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.



88.9813, 0.2982, 0.2907



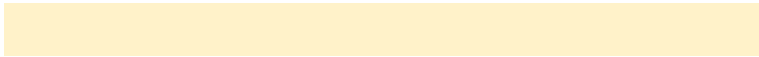
88.9813, 0.3473, 0.3699



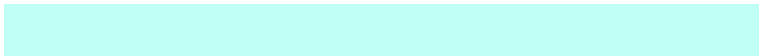
88.9813, 0.2679, 0.2983

# Square

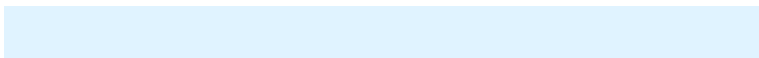
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.9813, 0.3473, 0.3699



88.9813, 0.2809, 0.3388



88.9813, 0.2784, 0.2894



88.9813, 0.3450, 0.3186

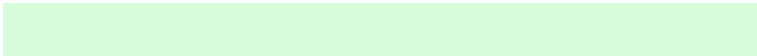


# Rectangle

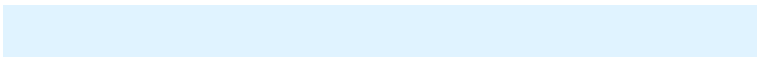
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.9813, 0.3473, 0.3699



88.9813, 0.3097, 0.3645



88.9813, 0.2784, 0.2894



88.9813, 0.3143, 0.2968

# Sweetspot

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



88.9781, 0.3473, 0.3699



96.7249, 0.3219, 0.3402



67.9139, 0.3451, 0.3153



20.6284, 0.3229, 0.3415



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

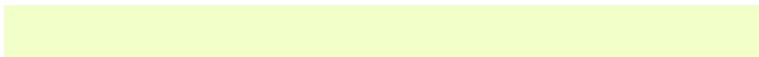
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.9781, 0.3473, 0.3699



87.1448, 0.3541, 0.3775



94.5259, 0.3358, 0.3836



20.3057, 0.3275, 0.3469



31.4175, 0.4696, 0.4653



3.2281, 0.4626, 0.4709



# Inverse Universe

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



67.7334, 0.2780, 0.2845



62.7626, 0.2711, 0.2752



63.3648, 0.2861, 0.2714



18.0880, 0.2979, 0.3104



5.7314, 0.1574, 0.0867



0.7190, 0.1631, 0.1072



# Previews

## White Background



This preview shows how the Yxy color 88.9813, 0.3473, 0.3699 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 88.9813, 0.3473, 0.3699 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

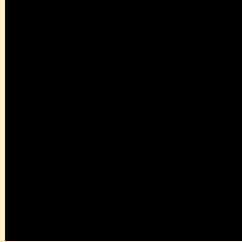
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 88.9813, 0.3473, 0.3699**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.9813, 0.3473, 0.3699.



This preview shows how white text looks on a background with the Yxy color 88.9813, 0.3473, 0.3699.

# 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

88.9813, 0.3473, 0.3699

### Protanopia

89.1239, 0.3453, 0.3669

### Deuteranopia

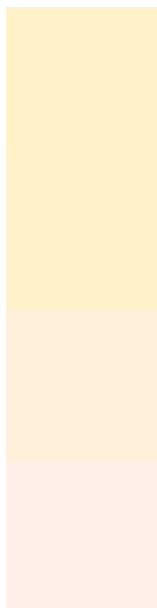
88.7625, 0.3284, 0.3369



## Tritanopia

88.6679, 0.3172, 0.3174

# Trichromacy



## Original Color

88.9813, 0.3473, 0.3699

## Protanomaly

89.0761, 0.3460, 0.3679

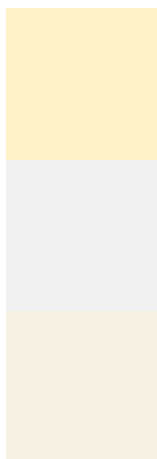
## Deuteranomaly

88.7475, 0.3354, 0.3488

## Tritanomaly

88.8192, 0.3278, 0.3359

# Monochromacy



## Original Color

88.9813, 0.3473, 0.3699

## Achromatopsia

87.9622, 0.3127, 0.3290

## Achromatomaly

87.9944, 0.3253, 0.3441

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.9813, 0.3473, 0.3699 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, 242, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 201)  
}
```

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, 242, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 88.9813, 0.3473, 0.3699 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, 242, 201) }
```

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

```
.border{ border-color:rgb(255, 242, 201) }
```

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

Here you see how a box with a 4 pixel rgb(255, 242, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.9813, 0.3473, 0.3699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 201) }
```

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

```
.background{ background-color: rgb(255,  
242, 201) }
```

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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