

# Converting Colors

$Yxy(96.4860, 0.3490, 0.3899)$

Have a look what the booklet for  
Yxy(96.4860, 0.3490, 0.3899)  
contains.

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# Color

**Yxy(96.4411, 0.3489, 0.3901)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEFFC1
RGB	254, 255, 193
RGB Percent	100%, 100%, 76%
CMY	0.0040, 0.0000, 0.2431
CMYK	0.00, 0.00, 0.24, 0.00
HSL	61°, 100%, 88%
HSV	61°, 24%, 100%
XYZ	86.2556, 96.4411, 64.5248
YIQ	247.6330, 19.3060, -19.4940

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	193, 255, 194
Decimal	16711617
CIE Lab	98.61, -9.91, 29.61
CIE LCh	99, 31.224, 108.513
Yxy	96.4411, 0.3489, 0.3901
Android (android.graphics.Color)	4294901697 (0xFFFEFFC1)
YUV	247.6330, -26.9341, 5.5839
Hunter-Lab	98.2044, -15.0764, 29.7869

# Details

The Yxy color **96.4411, 0.3489, 0.3901** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **56.8362, 0.2715, 0.2599**, and the grayscale version is **93.7629, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6821, 0.3156, 0.3338**, and **54.1226, 0.3564, 0.4028** is the 20% darker color. If you saturate the color by 10%, you get **95.3187, 0.3636, 0.4151**, and if you desaturate by 10%, it is **97.7557, 0.3339, 0.3646**.

# Distribution



- Red (100%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (76%)



- Cyan (0%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 96.4411, 0.3489, 0.3901 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 96.4411, 0.3489, 0.3901 by changing the saturation by 10% instead.




 96.4411, 0.3489,  
0.3901

 96.4411, 0.3489,  
0.3901


548.7683, 0.3334,  
0.3629

 73.3350, 0.3521,  
0.3960


 156.2540, 0.3438,  
0.3809

 54.2499, 0.3560,  
0.4033


193.7297, 0.3417,  
0.3772

 38.8015, 0.3606,  
0.4121


236.7639, 0.3399,  
0.3740

 26.6053, 0.3663,  
0.4234

285.7412, 0.3383,  
0.3713

 17.2770, 0.3734,  
0.4379

341.0458, 0.3369,  
0.3688

 10.4322, 0.3821,  
0.4574

403.0623, 0.3356,

 5.6865, 0.3928,

0.3666

0.4844

472.1750, 0.3344,  
0.3646

■ 2.6554, 0.4206,  
0.5440

■ 0.9546, 0.4101,  
0.5899

■ 96.4411, 0.3489,  
0.3901

■ 96.4411, 0.3489,  
0.3901

■ 95.3187, 0.3636,  
0.4151

■ 97.7557, 0.3339,  
0.3646

■ 94.3847, 0.3775,  
0.4387

■ 99.2781, 0.3190,  
0.3395

■ 93.6260, 0.3899,  
0.4600


100.0000, 0.3127,  
0.3290

■ 93.0307, 0.4002,  
0.4778

 92.5849, 0.4080,  
0.4916

 92.2729, 0.4132,  
0.5010

 92.0752, 0.4158,  
0.5061

 91.9981, 0.4164,  
0.5075

# Harmonies

## Analogous

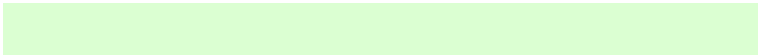
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.4411, 0.3732, 0.3782



96.4411, 0.3489, 0.3901



96.4411, 0.3157, 0.3841

# Triad

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



96.4411, 0.3489, 0.3901



96.4411, 0.2489, 0.2977



96.4411, 0.3415, 0.3000

# Complementary

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



96.4411, 0.3489, 0.3901



56.8362, 0.2715, 0.2599

# 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.



96.4411, 0.3068, 0.2809



96.4411, 0.3489, 0.3901



96.4411, 0.2547, 0.2784

# Square

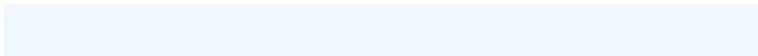
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



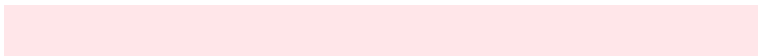
96.4411, 0.3489, 0.3901



96.4411, 0.2588, 0.3278



96.4411, 0.2753, 0.2729



96.4411, 0.3693, 0.3263

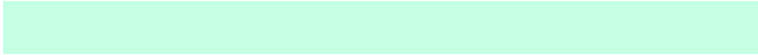


# Rectangle

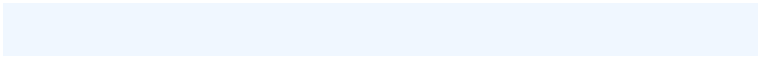
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96.4411, 0.3489, 0.3901



96.4411, 0.2932, 0.3700



96.4411, 0.2753, 0.2729



96.4411, 0.3302, 0.2926

# Sweetspot

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



96.4390, 0.3489, 0.3901



98.8479, 0.3229, 0.3462



63.2545, 0.3639, 0.3292



21.1373, 0.3238, 0.3477



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

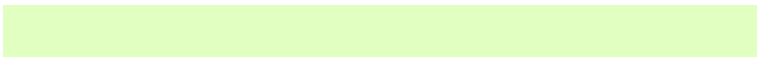
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.4390, 0.3489, 0.3901



95.8897, 0.3559, 0.4019



91.2187, 0.3290, 0.3942



21.0747, 0.3267, 0.3525



48.0779, 0.4165, 0.5075



4.6858, 0.4168, 0.5072



# Inverse Universe

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



56.8362, 0.2715, 0.2599



50.2647, 0.2623, 0.2444



61.2119, 0.2926, 0.2639



17.3919, 0.2981, 0.3044



3.7928, 0.1505, 0.0603

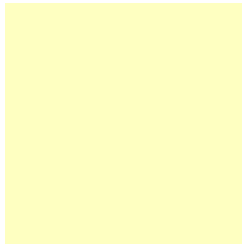


0.3740, 0.1516, 0.0609



# Previews

## White Background



This preview shows how the Yxy color 96.4411, 0.3489, 0.3901 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

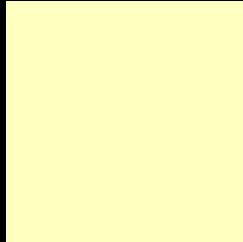
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 96.4411, 0.3489, 0.3901 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

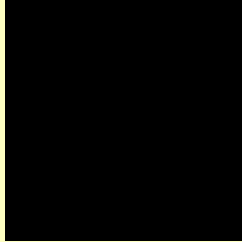
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 96.4411, 0.3489, 0.3901**

## **Background**



This preview shows how black text looks on a background with the Yxy color 96.4411, 0.3489, 0.3901.



This preview shows how white text looks on a background with the Yxy color 96.4411, 0.3489, 0.3901.

# 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

96.4411, 0.3489, 0.3901



### Protanopia

96.4864, 0.3224, 0.3406

### Deuteranopia

96.3466, 0.3177, 0.3319

## Tritanopia

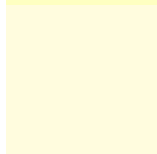
96.2314, 0.3130, 0.3233

# Trichromacy



## Original Color

96.4411, 0.3489, 0.3901



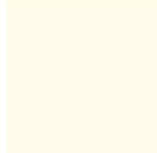
## Protanomaly

96.1547, 0.3325, 0.3583



## Deuteranomaly

96.4269, 0.3295, 0.3534



## Tritanomaly

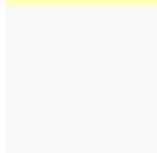
96.0806, 0.3266, 0.3475

# Monochromacy



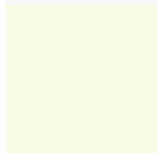
## Original Color

96.4411, 0.3489, 0.3901



## Achromatopsia

93.8686, 0.3127, 0.3290



## Achromatomaly

94.9198, 0.3257, 0.3516

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 96.4411, 0.3489, 0.3901 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(254, 255, 193)` looks like.

```
.text, #text, p{  
    color:rgb(254, 255, 193)  
}
```

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(254, 255, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 255, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 96.4411, 0.3489, 0.3901 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(254, 255, 193) }
```

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

```
.border{ border-color:rgb(254, 255, 193) }
```

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

Here you see how a box with a 4 pixel rgb(254, 255, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 255, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 255, 193);  
box-shadow:4px 4px 4px 4px rgb(254, 255,  
193) }
```



# Background

The CSS property to change the background color of an element to Yxy 96.4411, 0.3489, 0.3901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 255, 193) }
```

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

```
.background{ background-color: rgb(254,  
255, 193) }
```

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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