

# Converting Colors

$Y_{xy}(100.0000, 0.3538, 0.3741)$

Have a look what the booklet for  
Yxy(100.0000, 0.3538, 0.3741)  
contains.

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# Color

**Yxy(96.5999, 0.3419, 0.3761)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFECE
RGB	255, 254, 206
RGB Percent	100%, 100%, 81%
CMY	0.0001, 0.0039, 0.1920
CMYK	0.00, 0.00, 0.19, 0.00
HSL	59°, 100%, 90%
HSV	59°, 19%, 100%
XYZ	87.8158, 96.5999, 72.4307
YIQ	248.8270, 16.0040, -14.7160

# Conversions

## Conversions Part 2

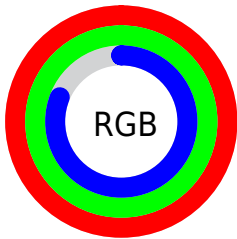
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	207, 255, 206
Decimal	16776910
CIE Lab	98.67, -7.28, 23.12
CIE LCh	99, 24.238, 107.488
Yxy	96.5999, 0.3419, 0.3761
Android (android.graphics.Color)	4294966990 (0xFF FF FE CE)
YUV	248.8270, -21.1137, 5.4137
Hunter-Lab	98.2852, -12.5133, 25.1063

# Details

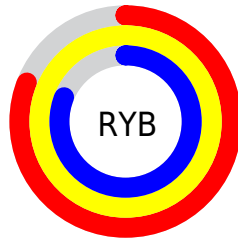
The Yxy color **96.5999, 0.3419, 0.3761** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **64.9628, 0.2808, 0.2771**, and the grayscale version is **94.7496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **54.2053, 0.3477, 0.3852** is the 20% darker color. If you saturate the color by 10%, you get **95.1497, 0.3574, 0.4009**, and if you desaturate by 10%, it is **98.2605, 0.3265, 0.3513**.

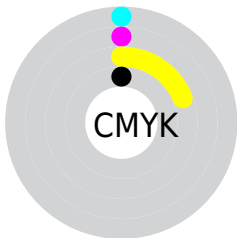
# Distribution



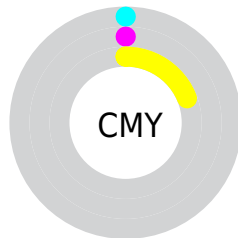
- Red (100%)
- Green (100%)
- Blue (81%)



- Red (81%)
- Yellow (100%)
- Blue (81%)



- Cyan (0%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 96.5999, 0.3419, 0.3761 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 96.5999, 0.3419, 0.3761 by changing the saturation by 10% instead.




 96.5999, 0.3419,  
0.3761

 96.5999, 0.3419,  
0.3761


549.2743, 0.3293,  
0.3552

 73.4673, 0.3446,  
0.3807

156.4731, 0.3377,  
0.3690

 54.3581, 0.3478,  
0.3862


193.9824, 0.3360,  
0.3662

 38.8881, 0.3517,  
0.3931


237.0529, 0.3345,  
0.3637

 26.6727, 0.3566,  
0.4018

286.0687, 0.3332,  
0.3616

 17.3275, 0.3627,  
0.4132

341.4144, 0.3321,  
0.3597

 10.4683, 0.3708,  
0.4286

403.4743, 0.3310,

 5.7105, 0.3814,

0.3580

0.4505

472.6328, 0.3301,  
0.3565

■ 2.6699, 0.3980,  
0.4864

■ 0.9619, 0.4330,  
0.5670

■ 96.5999, 0.3419,  
0.3761

■ 96.5999, 0.3419,  
0.3761

■ 95.1497, 0.3574,  
0.4009

■ 98.2605, 0.3265,  
0.3513


■ 93.8875, 0.3723,  
0.4249


99.9933, 0.3127,  
0.3290


■ 92.8069, 0.3862,  
0.4469

■ 91.8964, 0.3984,  
0.4661

 91.1434, 0.4084,  
0.4816

 90.5332, 0.4157,  
0.4927

 90.0485, 0.4204,  
0.4995

 89.6632, 0.4227,  
0.5023

 89.6337, 0.4228,  
0.5025

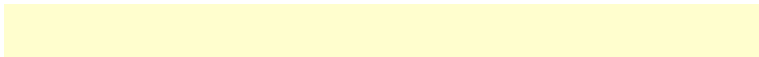
# Harmonies

## Analogous

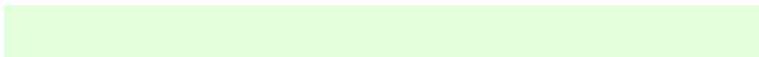
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.5999, 0.3602, 0.3671



96.5999, 0.3419, 0.3761



96.5999, 0.3163, 0.3716

# Triad

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



96.5999, 0.3419, 0.3761



96.5999, 0.2627, 0.3058



96.5999, 0.3343, 0.3057

# Complementary

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



96.5999, 0.3419, 0.3761



64.9628, 0.2808, 0.2771

# 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.



96.5999, 0.3074, 0.2907



96.5999, 0.3419, 0.3761



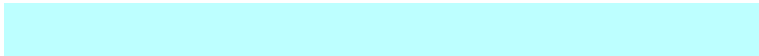
96.5999, 0.2669, 0.2899

# Square

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



96.5999, 0.3419, 0.3761



96.5999, 0.2711, 0.3293



96.5999, 0.2829, 0.2849



96.5999, 0.3559, 0.3265

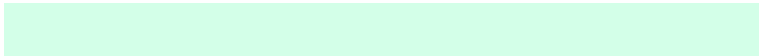


# Rectangle

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



96.5999, 0.3419, 0.3761



96.5999, 0.2986, 0.3611



96.5999, 0.2829, 0.2849



96.5999, 0.3255, 0.2998

# Sweetspot

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



96.6042, 0.3419, 0.3761



98.8641, 0.3216, 0.3434



69.9504, 0.3494, 0.3274



21.1355, 0.3226, 0.3450



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

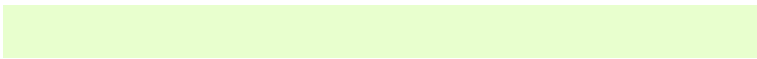
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.6042, 0.3419, 0.3761



96.0572, 0.3478, 0.3856



93.1331, 0.3267, 0.3793



21.0266, 0.3270, 0.3520



46.8778, 0.4227, 0.5025



4.5829, 0.4223, 0.5029



# Inverse Universe

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



64.9628, 0.2808, 0.2771



59.1575, 0.2735, 0.2653



68.0136, 0.2963, 0.2784



17.4342, 0.2978, 0.3049



3.8532, 0.1503, 0.0612

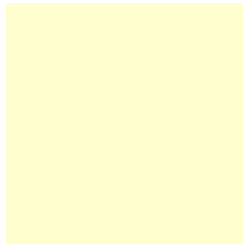


0.3942, 0.1511, 0.0639



# Previews

## White Background



This preview shows how the Yxy color 96.5999, 0.3419, 0.3761 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

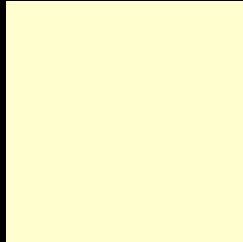
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 96.5999, 0.3419, 0.3761 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

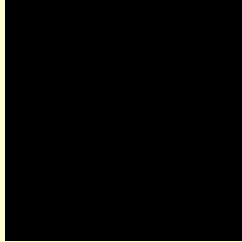
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 96.5999, 0.3419, 0.3761**

## **Background**



This preview shows how black text looks on a background with the Yxy color 96.5999, 0.3419, 0.3761.

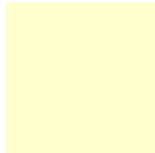


This preview shows how white text looks on a background with the Yxy color 96.5999, 0.3419, 0.3761.

# 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

96.5999, 0.3419, 0.3761



### Protanopia

96.5456, 0.3218, 0.3396

### Deuteranopia

96.4085, 0.3171, 0.3309

## Tritanopia

96.6620, 0.3123, 0.3242

# Trichromacy



## Original Color

96.5999, 0.3419, 0.3761



## Protanomaly

96.4822, 0.3289, 0.3524



## Deuteranomaly

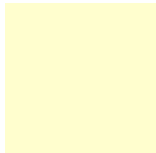
96.1376, 0.3260, 0.3465



## Tritanomaly

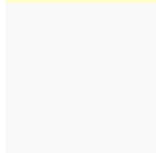
96.1796, 0.3229, 0.3426

# Monochromacy



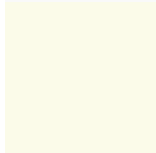
## Original Color

96.5999, 0.3419, 0.3761



## Achromatopsia

94.7307, 0.3127, 0.3290



## Achromatomaly

95.3868, 0.3234, 0.3466

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 96.5999, 0.3419, 0.3761 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, 254, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 254, 206)  
}
```

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, 254, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 254, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 96.5999, 0.3419, 0.3761 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, 254, 206) }
```

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

```
.border{ border-color:rgb(255, 254, 206) }
```

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

Here you see how a box with a 4 pixel rgb(255, 254, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 254, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 254, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 254,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 96.5999, 0.3419, 0.3761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 254, 206) }
```

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

```
.background{ background-color: rgb(255,  
254, 206) }
```

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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