

# Converting Colors

$Yxy(96.0156, 0.3271, 0.3645)$

Have a look what the booklet for  
Yxy(96.0156, 0.3271, 0.3645)  
contains.

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# Color

**Yxy(96.0470, 0.3274, 0.3648)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5FFDB
RGB	245, 255, 219
RGB Percent	96%, 100%, 86%
CMY	0.0393, 0.0000, 0.1410
CMYK	0.04, 0.00, 0.14, 0.00
HSL	77°, 100%, 93%
HSV	77°, 14%, 100%
XYZ	86.2001, 96.0470, 81.0397
YIQ	247.9060, 5.5960, -13.3160

# Conversions

## Conversions Part 2

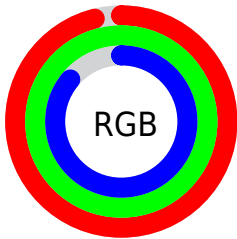
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	219, 255, 229
Decimal	16121819
CIE Lab	98.45, -9.34, 16.08
CIE LCh	98, 18.598, 120.161
Yxy	96.0470, 0.3274, 0.3648
Android (android.graphics.Color)	4294311899 (0xFFFF5FFDB)
YUV	247.9060, -14.2507, -2.5486
Hunter-Lab	98.0036, -14.5047, 19.5753

# Details

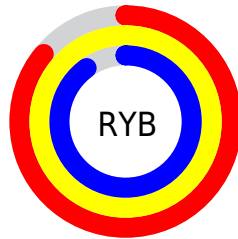
The Yxy color **96.0470, 0.3274, 0.3648** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **74.5723, 0.2966, 0.2921**, and the grayscale version is **93.9007, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **53.8873, 0.3307, 0.3722** is the 20% darker color. If you saturate the color by 10%, you get **93.5489, 0.3378, 0.3918**, and if you desaturate by 10%, it is **98.7957, 0.3169, 0.3391**.

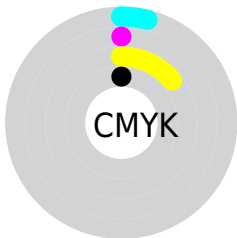
# Distribution



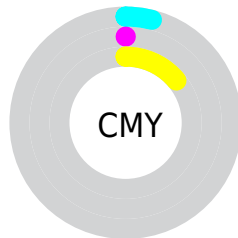
- Red (96%)
- Green (100%)
- Blue (86%)



- Red (86%)
- Yellow (100%)
- Blue (90%)



- Cyan (4%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 96.0470, 0.3274, 0.3648 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 96.0470, 0.3274, 0.3648 by changing the saturation by 10% instead.



 96.0470, 0.3274,  
0.3648

 96.0470, 0.3274,  
0.3648

547.5114, 0.3211,  
0.3488

 73.0067, 0.3287,  
0.3683

155.7103, 0.3253,  
0.3593

 53.9814, 0.3303,  
0.3726


193.1021, 0.3244,  
0.3572

 38.5868, 0.3323,  
0.3780


236.0464, 0.3237,  
0.3553

 26.4385, 0.3347,  
0.3848

284.9278, 0.3231,  
0.3537

 17.1519, 0.3378,  
0.3939

340.1306, 0.3225,  
0.3523

 10.3429, 0.3419,  
0.4063

402.0392, 0.3220,

 5.6269, 0.3473,

0.3510

0.4246

471.0380, 0.3215,  
0.3498

■ 2.6196, 0.3548,  
0.4536

■ 0.9365, 0.4138,  
0.5862

■ 96.0470, 0.3274,  
0.3648

■ 96.0470, 0.3274,  
0.3648

■ 93.5489, 0.3378,  
0.3918

■ 98.7957, 0.3169,  
0.3391

■ 91.2979, 0.3478,  
0.4194

100.0000, 0.3127,  
0.3290

■ 89.2812, 0.3568,  
0.4467

■ 87.4875, 0.3644,  
0.4726

■ 85.9040, 0.3700,  
0.4959

■ 84.5165, 0.3732,  
0.5155

■ 83.3087, 0.3738,  
0.5304

■ 82.2606, 0.3719,  
0.5404

■ 81.7008, 0.3699,  
0.5445

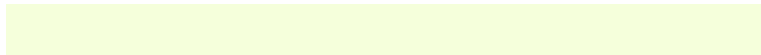
# Harmonies

## Analogous

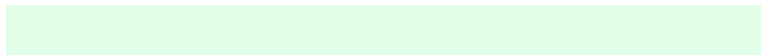
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.0470, 0.3444, 0.3624



96.0470, 0.3274, 0.3648



96.0470, 0.3069, 0.3568

# Triad

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



96.0470, 0.3274, 0.3648



96.0470, 0.2741, 0.3052



96.0470, 0.3372, 0.3175

# Complementary

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



96.0470, 0.3274, 0.3648



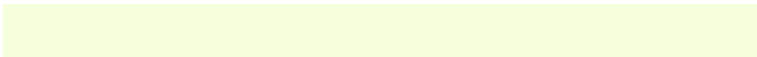
74.5723, 0.2966, 0.2921

# Split Complementary

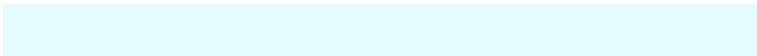
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.0470, 0.3176, 0.3034



96.0470, 0.3274, 0.3648



96.0470, 0.2815, 0.2961

# Square

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



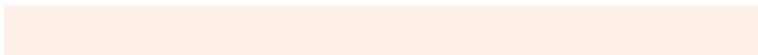
96.0470, 0.3274, 0.3648



96.0470, 0.2766, 0.3214



96.0470, 0.2972, 0.2956

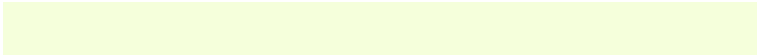


96.0470, 0.3502, 0.3347

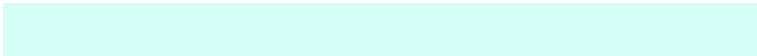


# Rectangle

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



96.0470, 0.3274, 0.3648



96.0470, 0.2940, 0.3466



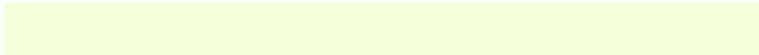
96.0470, 0.2972, 0.2956



96.0470, 0.3311, 0.3122

# Sweetspot

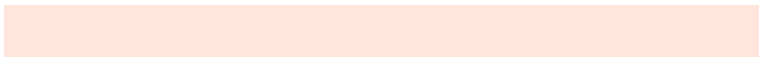
The Sweet Spot groups the original color and five complimentary colors.



96.0449, 0.3274, 0.3648



98.8251, 0.3168, 0.3388



82.2102, 0.3376, 0.3387



21.1064, 0.3176, 0.3407



0.0000, 0.0000, 0.0000

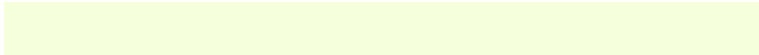


21.4041, 0.3127, 0.3290

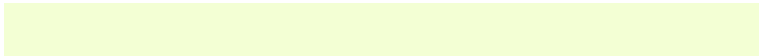


# Same Dimension

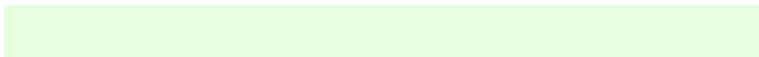
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.0449, 0.3274, 0.3648



95.2957, 0.3304, 0.3725



93.0376, 0.3162, 0.3660



20.8214, 0.3226, 0.3528



42.7691, 0.3707, 0.5438



4.2191, 0.3765, 0.5393



# Inverse Universe

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



74.5723, 0.2966, 0.2921



69.9368, 0.2929, 0.2838



77.6070, 0.3085, 0.2934



17.6228, 0.3022, 0.3047



4.5379, 0.1675, 0.0696

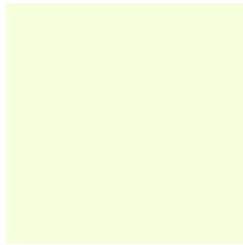


0.4937, 0.1789, 0.0759



# Previews

## White Background



This preview shows how the Yxy color 96.0470, 0.3274, 0.3648 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

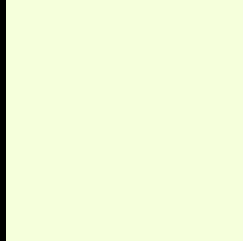
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 96.0470, 0.3274, 0.3648 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

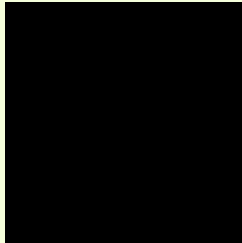
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

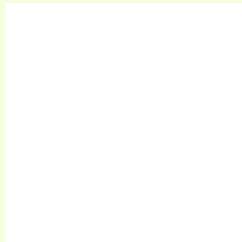
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 96.0470, 0.3274, 0.3648**

## **Background**



This preview shows how black text looks on a background with the Yxy color 96.0470, 0.3274, 0.3648.



This preview shows how white text looks on a background with the Yxy color 96.0470, 0.3274, 0.3648.

# Color Blindness Simulation

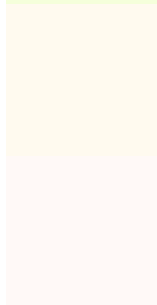
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

96.0470, 0.3274, 0.3648



### Protanopia

95.8632, 0.3224, 0.3397

### Deuteranopia

95.7268, 0.3177, 0.3309

## **Tritanopia**

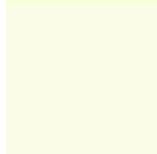
96.1004, 0.3104, 0.3242

# Trichromacy



## Original Color

96.0470, 0.3274, 0.3648



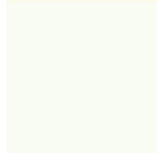
## Protanomaly

95.9562, 0.3239, 0.3486



## Deuteranomaly

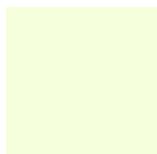
95.6180, 0.3210, 0.3427



## Tritanomaly

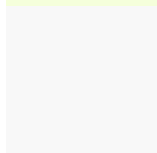
96.1713, 0.3167, 0.3387

# Monochromacy



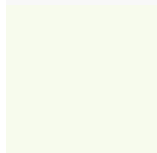
## Original Color

96.0470, 0.3274, 0.3648



## Achromatopsia

93.8686, 0.3127, 0.3290



## Achromatomaly

94.8829, 0.3184, 0.3428

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 96.0470, 0.3274, 0.3648 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(245, 255, 219)` looks like.

```
.text, #text, p{  
    color:rgb(245, 255, 219)  
}
```

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(245, 255, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 255, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 96.0470, 0.3274, 0.3648 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(245, 255, 219) }
```

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

```
.border{ border-color:rgb(245, 255, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 255, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 255, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 255, 219);  
box-shadow:4px 4px 4px 4px rgb(245, 255,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 96.0470, 0.3274, 0.3648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 255, 219) }
```

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

```
.background{ background-color: rgb(245,  
255, 219) }
```

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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