

# Converting Colors

$Y_{xy}(100.0000, 0.3210, 0.3599)$

Have a look what the booklet for  
Yxy(100.0000, 0.3210, 0.3599)  
contains.

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# Color

**Yxy(96.5896, 0.3215, 0.3547)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F5FFE5
RGB	245, 255, 229
RGB Percent	96%, 100%, 90%
CMY	0.0394, 0.0000, 0.1019
CMYK	0.04, 0.00, 0.10, 0.00
HSL	83°, 100%, 95%
HSV	83°, 10%, 100%
XYZ	87.5488, 96.5896, 88.1751
YIQ	249.0460, 2.3860, -10.2060

# Conversions

## Conversions Part 2

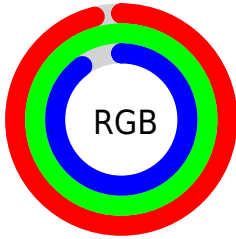
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	229, 255, 239
Decimal	16121829
CIE <sub>Lab</sub>	98.67, -7.76, 11.28
CIE <sub>LCh</sub>	99, 13.692, 124.526
Yxy	96.5896, 0.3215, 0.3547
Android (android.graphics.Color)	4294311909 (0xFFFF5FFE5)
<b>YUV</b>	249.0460, -9.8827, -3.5483
Hunter-Lab	98.2800, -12.9805, 15.6020

# Details

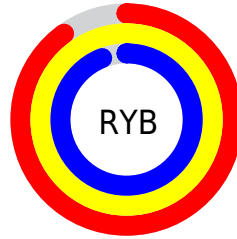
The Yxy color 96.5896, 0.3215, 0.3547 is a light color, and the websafe version is hex FFFFCC. A complement of this color would be 81.6361, 0.3033, 0.3030, and the grayscale version is 94.8416, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.2630, 0.3233, 0.3593 is the 20% darker color. If you saturate the color by 10%, you get 93.5339, 0.3301, 0.3817, and if you desaturate by 10%, it is 99.9346, 0.3129, 0.3295.

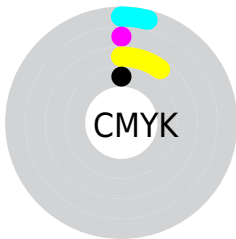
# Distribution



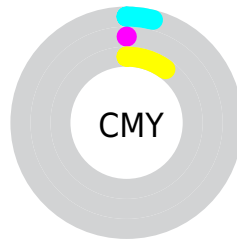
- Red (96%)
- Green (100%)
- Blue (90%)



- Red (90%)
- Yellow (100%)
- Blue (94%)



- Cyan (4%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 96.5896, 0.3215, 0.3547 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 96.5896, 0.3215, 0.3547 by changing the saturation by 10% instead.




 96.5896, 0.3215,  
0.3547

 96.5896, 0.3215,  
0.3547


549.2415, 0.3177,  
0.3433

 73.4587, 0.3223,  
0.3572

156.4589, 0.3202,  
0.3508

 54.3511, 0.3233,  
0.3603


193.9661, 0.3197,  
0.3493

 38.8825, 0.3245,  
0.3641


237.0341, 0.3193,  
0.3479

 26.6683, 0.3259,  
0.3690

286.0475, 0.3189,  
0.3468

 17.3243, 0.3278,  
0.3754

341.3905, 0.3186,  
0.3457

 10.4659, 0.3303,  
0.3843

403.4475, 0.3182,

 5.7090, 0.3338,

0.3448

0.3973

472.6031, 0.3180,  
0.3440

■ 2.6689, 0.3387,  
0.4182

■ 0.9614, 0.3724,  
0.4956

■ 96.5896, 0.3215,  
0.3547

■ 96.5896, 0.3215,  
0.3547

■ 93.5339, 0.3301,  
0.3817

99.9346, 0.3129,  
0.3295

■ 90.7787, 0.3384,  
0.4100

100.0000, 0.3127,  
0.3290

■ 88.3055, 0.3459,  
0.4389

■ 86.1023, 0.3522,  
0.4672

■ 84.1559, 0.3567,  
0.4937

■ 82.4517, 0.3591,  
0.5171

■ 80.9732, 0.3590,  
0.5361

■ 79.7010, 0.3565,  
0.5498

■ 78.6232, 0.3520,  
0.5587

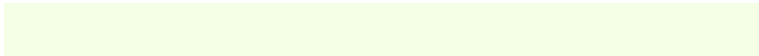
# Harmonies

## Analogous

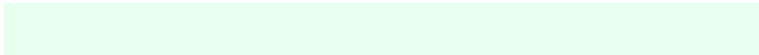
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.5896, 0.3345, 0.3543



96.5896, 0.3215, 0.3547



96.5896, 0.3064, 0.3478

# Triad

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



96.5896, 0.3215, 0.3547



96.5896, 0.2845, 0.3103



96.5896, 0.3324, 0.3223

# Complementary

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



96.5896, 0.3215, 0.3547



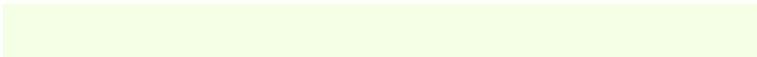
81.6361, 0.3033, 0.3030

# Split Complementary

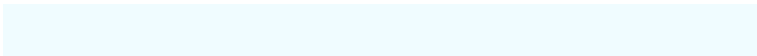
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.5896, 0.3186, 0.3113



96.5896, 0.3215, 0.3547



96.5896, 0.2911, 0.3042

# Square

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



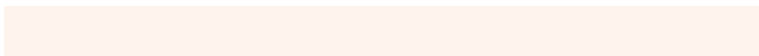
96.5896, 0.3215, 0.3547



96.5896, 0.2853, 0.3216



96.5896, 0.3035, 0.3047

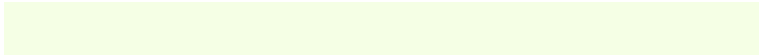


96.5896, 0.3410, 0.3353

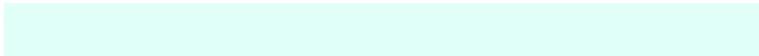


# Rectangle

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



96.5896, 0.3215, 0.3547



96.5896, 0.2971, 0.3400



96.5896, 0.3035, 0.3047



96.5896, 0.3282, 0.3183

# Sweetspot

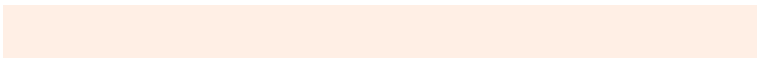
The Sweet Spot groups the original color and five complimentary colors.



96.5823, 0.3215, 0.3547



98.9601, 0.3153, 0.3364



88.6411, 0.3297, 0.3388



21.1231, 0.3160, 0.3384



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

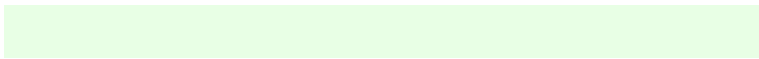
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.5823, 0.3215, 0.3547



96.0071, 0.3231, 0.3595



94.3437, 0.3134, 0.3553



20.7194, 0.3209, 0.3529



41.1710, 0.3531, 0.5579



4.0717, 0.3605, 0.5520



# Inverse Universe

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



81.6361, 0.3033, 0.3030



78.6201, 0.3014, 0.2981



83.9623, 0.3119, 0.3037



17.7203, 0.3039, 0.3049



5.2279, 0.1821, 0.0777

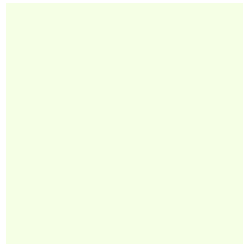


0.5697, 0.1946, 0.0846



# Previews

## White Background



This preview shows how the Yxy color 96.5896, 0.3215, 0.3547 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

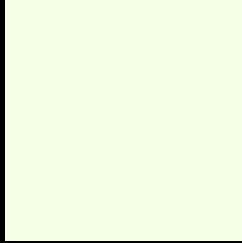
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 96.5896, 0.3215, 0.3547 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

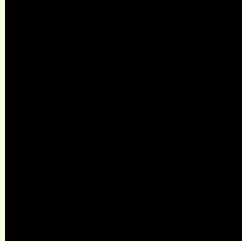
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

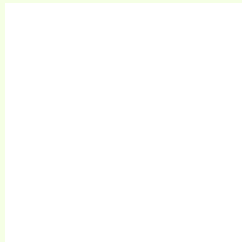
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 96.5896, 0.3215, 0.3547**

## **Background**



This preview shows how black text looks on a background with the Yxy color 96.5896, 0.3215, 0.3547.

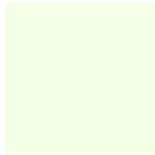


This preview shows how white text looks on a background with the Yxy color 96.5896, 0.3215, 0.3547.

# 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

96.5896, 0.3215, 0.3547



### Protanopia

96.6652, 0.3206, 0.3377

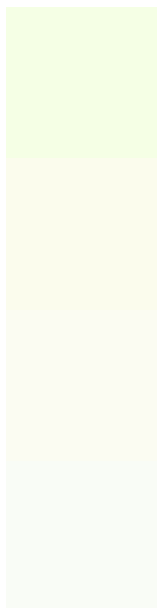
### Deuteranopia

96.4708, 0.3165, 0.3300

## **Tritanopia**

96.7236, 0.3104, 0.3252

# Trichromacy



## Original Color

96.5896, 0.3215, 0.3547

## Protanomaly

96.2445, 0.3209, 0.3436

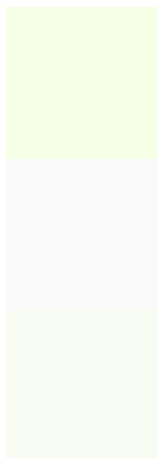
## Deuteranomaly

96.5408, 0.3179, 0.3387

## Tritanomaly

96.4144, 0.3143, 0.3348

# Monochromacy



## Original Color

96.5896, 0.3215, 0.3547

## Achromatopsia

94.7307, 0.3127, 0.3290

## Achromatomaly

95.3616, 0.3161, 0.3378

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 96.5896, 0.3215, 0.3547 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, 229)` looks like.

```
.text, #text, p{  
    color:rgb(245, 255, 229)  
}
```

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, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 255, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 96.5896, 0.3215, 0.3547 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, 229) }
```

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

```
.border{ border-color:rgb(245, 255, 229) }
```

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, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 255, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 255, 229);  
box-shadow:4px 4px 4px 4px rgb(245, 255,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 96.5896, 0.3215, 0.3547 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, 229) }
```

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

```
.background{ background-color: rgb(245,  
255, 229) }
```

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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