

# Converting Colors

$Y_{xy}(118.4924, 0.3140, 0.3783)$

Have a look what the booklet for  
Yxy(118.4924, 0.3140, 0.3783)  
contains.

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# **Color**

**Yxy(96.3954, 0.3161, 0.3488)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2FFE8
RGB	242, 255, 235
RGB Percent	95%, 100%, 92%
CMY	0.0512, 0.0000, 0.0784
CMYK	0.05, 0.00, 0.08, 0.00
HSL	99°, 100%, 96%
HSV	99°, 8%, 100%
XYZ	87.3583, 96.3954, 92.6092
YIQ	248.8330, -1.3280, -8.9760

# Conversions

## Conversions Part 2

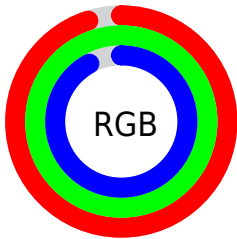
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	235, 255, 248
Decimal	15925227
CIE <sub>Lab</sub>	98.59, -7.78, 8.07
CIE <sub>LCh</sub>	99, 11.213, 133.945
Yxy	96.3954, 0.3161, 0.3488
Android (android.graphics.Color)	4294115307 (0xFFFF2FFEB)
YUV	248.8330, -6.8197, -5.9925
Hunter-Lab	98.1812, -12.9937, 12.8016

# Details

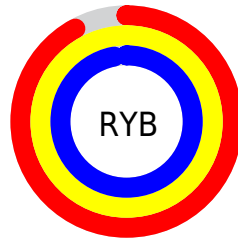
The Yxy color 96.3954, 0.3161, 0.3488 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 86.6162, 0.3091, 0.3095, and the grayscale version is 94.6292, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.0819, 0.3171, 0.3530 is the 20% darker color. If you saturate the color by 10%, you get 92.1996, 0.3203, 0.3763, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

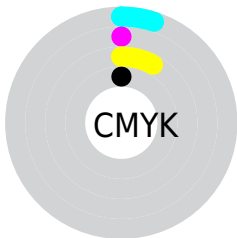
# Distribution



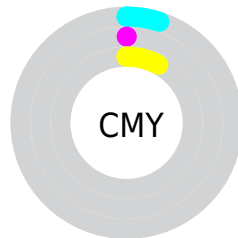
- Red (95%)
- Green (100%)
- Blue (92%)



- Red (92%)
- Yellow (100%)
- Blue (97%)



- Cyan (5%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)




- Cyan (5%)
- Magenta (0%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 96.3954, 0.3161, 0.3488 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 96.3954, 0.3161, 0.3488 by changing the saturation by 10% instead.




 96.3954, 0.3161,  
0.3488

 96.3954, 0.3161,  
0.3488

548.6226, 0.3147,  
0.3400

 73.2969, 0.3164,  
0.3507

156.1910, 0.3156,  
0.3458

 54.2188, 0.3168,  
0.3531


193.6569, 0.3154,  
0.3446

 38.7766, 0.3172,  
0.3560


236.6807, 0.3153,  
0.3436

 26.5860, 0.3177,  
0.3598

285.6469, 0.3151,  
0.3427

 17.2625, 0.3184,  
0.3647

340.9398, 0.3150,  
0.3419

 10.4218, 0.3193,  
0.3716

402.9437, 0.3149,

 5.6795, 0.3204,

0.3412

0.3817

472.0432, 0.3148,  
0.3406

■ 2.6512, 0.3220,  
0.3979

■ 0.9525, 0.3340,  
0.4457

■ 96.3954, 0.3161,  
0.3488

■ 96.3954, 0.3161,  
0.3488

■ 92.1996, 0.3203,  
0.3763

100.0000, 0.3127,  
0.3290

■ 88.4782, 0.3241,  
0.4063

■ 85.2038, 0.3274,  
0.4379

■ 82.3582, 0.3296,  
0.4702

■ 79.9218, 0.3306,  
0.5018

■ 77.8735, 0.3300,  
0.5306

■ 76.1898, 0.3276,  
0.5549

■ 74.8441, 0.3236,  
0.5730

■ 73.8032, 0.3183,  
0.5844

# Harmonies

## Analogous

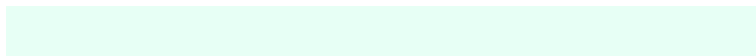
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.3954, 0.3276, 0.3504



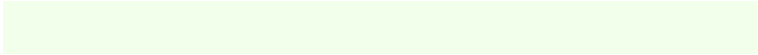
96.3954, 0.3161, 0.3488



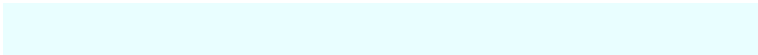
96.3954, 0.3038, 0.3415

# Triad

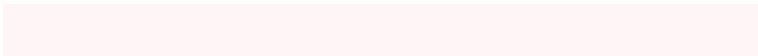
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



96.3954, 0.3161, 0.3488



96.3954, 0.2906, 0.3116



96.3954, 0.3317, 0.3269

# Complementary

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



96.3954, 0.3161, 0.3488



86.6162, 0.3091, 0.3095

# Split Complementary

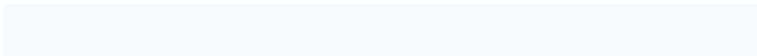
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.3954, 0.3214, 0.3170



96.3954, 0.3161, 0.3488



96.3954, 0.2977, 0.3082

# Square

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



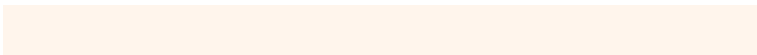
96.3954, 0.3161, 0.3488



96.3954, 0.2893, 0.3198



96.3954, 0.3090, 0.3102



96.3954, 0.3368, 0.3375

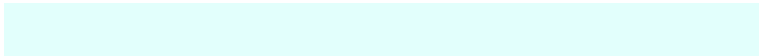


# Rectangle

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



96.3954, 0.3161, 0.3488



96.3954, 0.2969, 0.3346



96.3954, 0.3090, 0.3102



96.3954, 0.3287, 0.3233

# Sweetspot

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



96.3850, 0.3161, 0.3488



99.0490, 0.3136, 0.3339



94.3971, 0.3250, 0.3416



21.2106, 0.3135, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

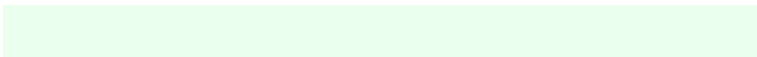
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.3850, 0.3161, 0.3488



95.8740, 0.3166, 0.3519



95.3586, 0.3101, 0.3460



20.4739, 0.3168, 0.3532



38.5372, 0.3183, 0.5855



3.8101, 0.3268, 0.5787



# Inverse Universe

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



86.6162, 0.3091, 0.3095



84.7450, 0.3085, 0.3065



87.7138, 0.3155, 0.3126



17.9671, 0.3082, 0.3052



8.1337, 0.2351, 0.1069

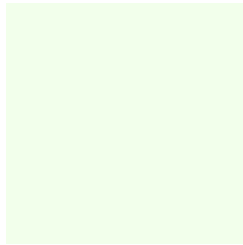


0.8527, 0.2450, 0.1123



# Previews

## White Background



This preview shows how the Yxy color 96.3954, 0.3161, 0.3488 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

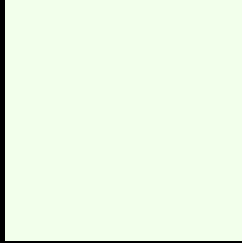
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 96.3954, 0.3161, 0.3488 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

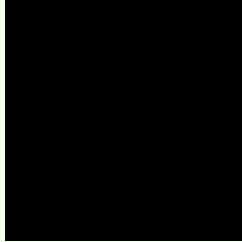
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

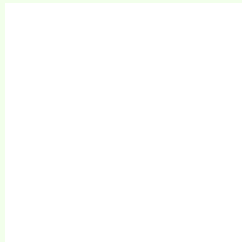
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 96.3954, 0.3161, 0.3488**

## **Background**



This preview shows how black text looks on a background with the Yxy color 96.3954, 0.3161, 0.3488.

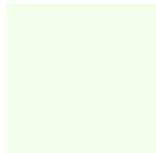


This preview shows how white text looks on a background with the Yxy color 96.3954, 0.3161, 0.3488.

# Color Blindness Simulation

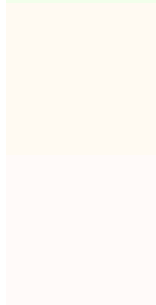
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

96.3954, 0.3161, 0.3488



### Protanopia

96.0420, 0.3206, 0.3367

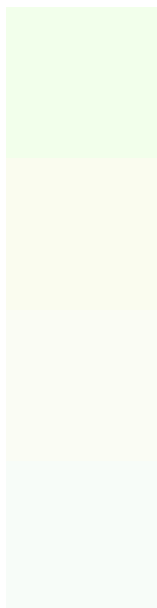
### Deuteranopia

96.4708, 0.3165, 0.3300

## Tritanopia

96.5384, 0.3098, 0.3252

# Trichromacy



## Original Color

96.3954, 0.3161, 0.3488

## Protanomaly

96.1768, 0.3191, 0.3417

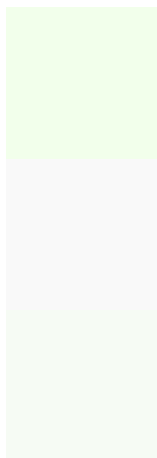
## Deuteranomaly

96.4765, 0.3161, 0.3368

## Tritanomaly

96.1723, 0.3119, 0.3329

# Monochromacy



## Original Color

96.3954, 0.3161, 0.3488

## Achromatopsia

94.7307, 0.3127, 0.3290

## Achromatomaly

95.1188, 0.3137, 0.3359

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 96.3954, 0.3161, 0.3488 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(242, 255, 235)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 235)  
}
```

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(242, 255, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 96.3954, 0.3161, 0.3488 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(242, 255, 235) }
```

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

```
.border{ border-color:rgb(242, 255, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 255, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 235);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
235) }
```



# Background

The CSS property to change the background color of an element to Yxy 96.3954, 0.3161, 0.3488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 235) }
```

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

```
.background{ background-color: rgb(242,  
255, 235) }
```

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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