

# Converting Colors

$Yxy(96.7724, 0.3189, 0.3505)$

Have a look what the booklet for  
Yxy(96.7724, 0.3189, 0.3505)  
contains.

<b>Yxy(96.8157, 0.3192, 0.3507)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(96.8157, 0.3192, 0.3507)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5FFE9
RGB	245, 255, 233
RGB Percent	96%, 100%, 91%
CMY	0.0393, 0.0000, 0.0863
CMYK	0.04, 0.00, 0.09, 0.00
HSL	87°, 100%, 96%
HSV	87°, 9%, 100%
XYZ	88.1197, 96.8157, 91.1288
YIQ	249.5020, 1.1020, -8.9620

# Conversions

## Conversions Part 2

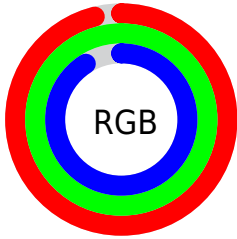
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	233, 255, 243
Decimal	16121833
CIE Lab	98.76, -7.09, 9.38
CIE LCh	99, 11.755, 127.098
Yxy	96.8157, 0.3192, 0.3507
Android (android.graphics.Color)	4294311913 (0xFFFF5FFE9)
YUV	249.5020, -8.1355, -3.9483
Hunter-Lab	98.3950, -12.3318, 13.9649

# Details

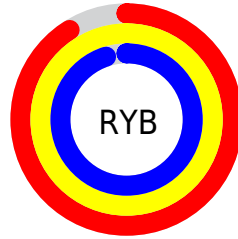
The Yxy color 96.8157, 0.3192, 0.3507 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 84.5514, 0.3058, 0.3072, and the grayscale version is 95.2289, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.3813, 0.3210, 0.3554 is the 20% darker color. If you saturate the color by 10%, you get 93.4375, 0.3267, 0.3777, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

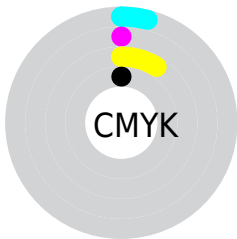
# Distribution



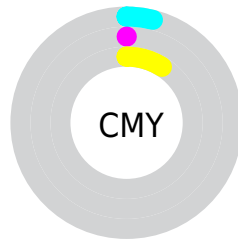
- Red (96%)
- Green (100%)
- Blue (91%)



- Red (91%)
- Yellow (100%)
- Blue (95%)



- Cyan (4%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 96.8157, 0.3192, 0.3507 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 96.8157, 0.3192, 0.3507 by changing the saturation by 10% instead.




 96.8157, 0.3192,  
0.3507

 96.8157, 0.3192,  
0.3507

549.9616, 0.3164,  
0.3411

 73.6471, 0.3198,  
0.3528

156.7707, 0.3183,  
0.3474

 54.5053, 0.3205,  
0.3554


194.3259, 0.3179,  
0.3461

 39.0058, 0.3214,  
0.3586


237.4454, 0.3176,  
0.3450

 26.7642, 0.3225,  
0.3627

286.5136, 0.3173,  
0.3440

 17.3962, 0.3239,  
0.3681

341.9149, 0.3170,  
0.3431

 10.5174, 0.3257,  
0.3755

404.0338, 0.3168,

 5.7433, 0.3283,

0.3424

0.3864

473.2545, 0.3166,  
0.3417

■ 2.6896, 0.3320,  
0.4040

■ 0.9719, 0.3529,  
0.4585

■ 96.8157, 0.3192,  
0.3507

■ 96.8157, 0.3192,  
0.3507

■ 93.4375, 0.3267,  
0.3777

100.0000, 0.3127,  
0.3290

■ 90.3920, 0.3338,  
0.4064

■ 87.6646, 0.3403,  
0.4360

■ 85.2422, 0.3456,  
0.4655

■ 83.1109, 0.3494,  
0.4936

■ 81.2553, 0.3510,  
0.5189

■ 79.6581, 0.3504,  
0.5398

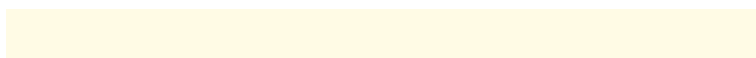
■ 78.2993, 0.3473,  
0.5555

■ 77.1513, 0.3424,  
0.5657

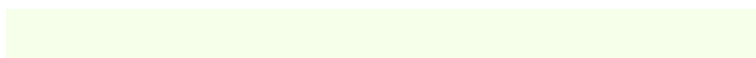
# Harmonies

## Analogous

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



96.8157, 0.3306, 0.3509



96.8157, 0.3192, 0.3507



96.8157, 0.3062, 0.3443

# Triad

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



96.8157, 0.3192, 0.3507



96.8157, 0.2887, 0.3123



96.8157, 0.3305, 0.3242

# Complementary

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



96.8157, 0.3192, 0.3507



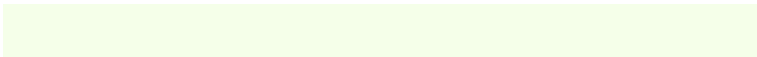
84.5514, 0.3058, 0.3072

# 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.



96.8157, 0.3189, 0.3144



96.8157, 0.3192, 0.3507



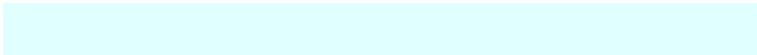
96.8157, 0.2949, 0.3075

# Square

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



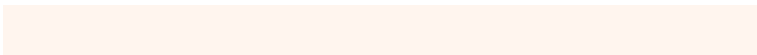
96.8157, 0.3192, 0.3507



96.8157, 0.2888, 0.3218



96.8157, 0.3059, 0.3084

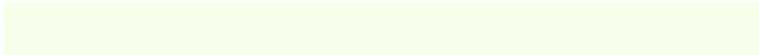


96.8157, 0.3373, 0.3354

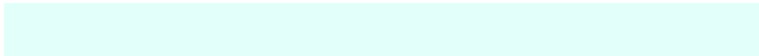


# Rectangle

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



96.8157, 0.3192, 0.3507



96.8157, 0.2984, 0.3374



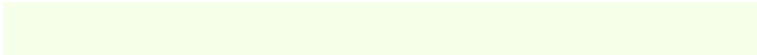
96.8157, 0.3059, 0.3084



96.8157, 0.3270, 0.3207

# Sweetspot

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



96.8130, 0.3192, 0.3507



98.8628, 0.3150, 0.3364



91.1827, 0.3268, 0.3387



21.0968, 0.3156, 0.3384



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

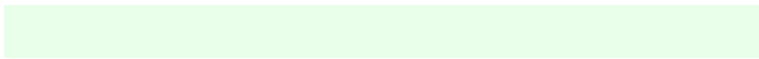
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.8130, 0.3192, 0.3507



96.3304, 0.3202, 0.3543



94.9115, 0.3124, 0.3511



20.6559, 0.3199, 0.3530



40.3271, 0.3428, 0.5660



3.9915, 0.3510, 0.5595



# Inverse Universe

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



84.5514, 0.3058, 0.3072



82.2548, 0.3046, 0.3036



86.5471, 0.3130, 0.3077



17.7825, 0.3050, 0.3049



5.8002, 0.1936, 0.0840

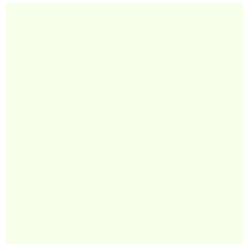


0.6287, 0.2062, 0.0909



# Previews

## White Background



This preview shows how the Yxy color 96.8157, 0.3192, 0.3507 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

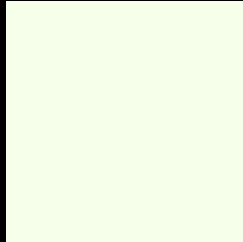
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 96.8157, 0.3192, 0.3507 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

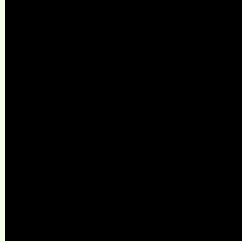
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

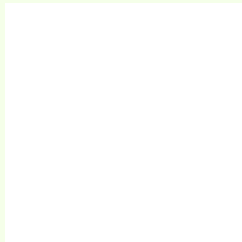
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 96.8157, 0.3192, 0.3507**

## **Background**



This preview shows how black text looks on a background with the Yxy color 96.8157, 0.3192, 0.3507.

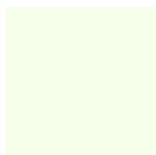


This preview shows how white text looks on a background with the Yxy color 96.8157, 0.3192, 0.3507.

# Color Blindness Simulation

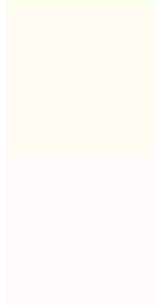
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

96.8157, 0.3192, 0.3507



### Protanopia

96.7254, 0.3200, 0.3367

### Deuteranopia

96.5333, 0.3159, 0.3290

## **Tritanopia**

96.7236, 0.3104, 0.3252

# Trichromacy



## Original Color

96.8157, 0.3192, 0.3507

## Protanomaly

96.3620, 0.3197, 0.3417

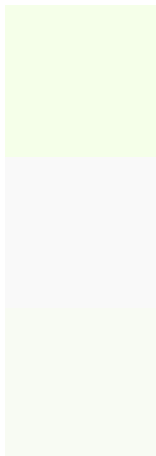
## Deuteranomaly

96.6617, 0.3168, 0.3368

## Tritanomaly

96.4759, 0.3137, 0.3338

# Monochromacy



## Original Color

96.8157, 0.3192, 0.3507

## Achromatopsia

94.7307, 0.3127, 0.3290

## Achromatomaly

95.4219, 0.3155, 0.3368

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 96.8157, 0.3192, 0.3507 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, 233)` looks like.

```
.text, #text, p{  
    color:rgb(245, 255, 233)  
}
```

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, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 255, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 96.8157, 0.3192, 0.3507 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, 233) }
```

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

```
.border{ border-color:rgb(245, 255, 233) }
```

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, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(245, 255,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 96.8157, 0.3192, 0.3507 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, 233) }
```

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

```
.background{ background-color: rgb(245,  
255, 233) }
```

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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