

# Converting Colors

$Yxy(96.7798, 0.3258, 0.3592)$

Have a look what the booklet for  
Yxy(96.7798, 0.3258, 0.3592)  
contains.

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# Color

**Yxy(96.6760, 0.3258, 0.3596)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7FFE0
RGB	247, 255, 224
RGB Percent	97%, 100%, 88%
CMY	0.0311, 0.0000, 0.1215
CMYK	0.03, 0.00, 0.12, 0.00
HSL	75°, 100%, 94%
HSV	75°, 12%, 100%
XYZ	87.5891, 96.6760, 84.5781
YIQ	249.0740, 5.1830, -11.3370

# Conversions

## Conversions Part 2

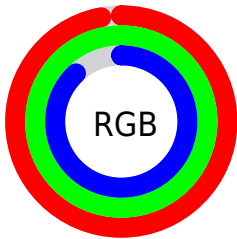
Format	Color
<a href="#">RYB</a>	<a href="#">224, 255, 232</a>
Decimal	<a href="#">16252896</a>
CIELab	<a href="#">98.70, -7.83, 13.91</a>
CIELCh	<a href="#">99, 15.963, 119.385</a>
Yxy	<a href="#">96.6760, 0.3258, 0.3596</a>
Android (android.graphics.Color)	<a href="#">4294442976</a> ( <a href="#">0xFFFF7FFE0</a> )
YUV	<a href="#">249.0740, -12.3615, -1.8189</a>
Hunter-Lab	<a href="#">98.3240, -13.0553, 17.8256</a>

# Details

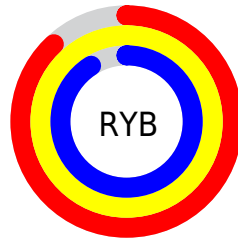
The Yxy color **96.6760, 0.3258, 0.3596** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **77.6893, 0.2986, 0.2975**, and the grayscale version is **94.9060, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **54.3291, 0.3286, 0.3656** is the 20% darker color. If you saturate the color by 10%, you get **94.2317, 0.3366, 0.3863**, and if you desaturate by 10%, it is **99.3778, 0.3150, 0.3342**.

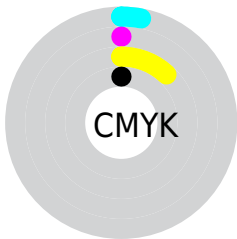
# Distribution



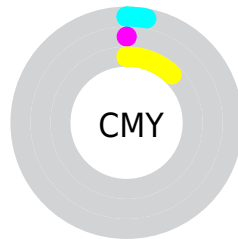
- Red (97%)
- Green (100%)
- Blue (88%)



- Red (88%)
- Yellow (100%)
- Blue (91%)



- Cyan (3%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 96.6760, 0.3258, 0.3596 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 96.6760, 0.3258, 0.3596 by changing the saturation by 10% instead.




 96.6760, 0.3258,  
0.3596

 96.6760, 0.3258,  
0.3596


549.5167, 0.3201,  
0.3460

 73.5307, 0.3270,  
0.3626


156.5780, 0.3239,  
0.3550

 54.4100, 0.3285,  
0.3662


194.1036, 0.3232,  
0.3531

 38.9296, 0.3302,  
0.3708


237.1913, 0.3225,  
0.3515

 26.7049, 0.3324,  
0.3766


286.2256, 0.3219,  
0.3502

 17.3517, 0.3353,  
0.3842

341.5909, 0.3214,  
0.3489

 10.4856, 0.3390,  
0.3947

403.6716, 0.3209,

 5.7221, 0.3441,

0.3478

0.4101

472.8521, 0.3205,  
0.3468

■ 2.6768, 0.3515,  
0.4346

■ 0.9654, 0.4101,  
0.5467

■ 96.6760, 0.3258,  
0.3596

■ 96.6760, 0.3258,  
0.3596

■ 94.2317, 0.3366,  
0.3863

■ 99.3778, 0.3150,  
0.3342

■ 92.0226, 0.3471,  
0.4136

99.9927, 0.3127,  
0.3290

■ 90.0426, 0.3568,  
0.4408

■ 88.2806, 0.3651,  
0.4667

■ 86.7242, 0.3716,  
0.4901

■ 85.3598, 0.3757,  
0.5100

■ 84.1716, 0.3772,  
0.5254

■ 83.1407, 0.3761,  
0.5360

■ 82.4193, 0.3738,  
0.5414

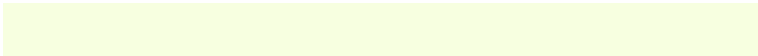
# Harmonies

## Analogous

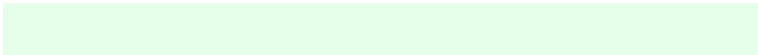
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.6760, 0.3401, 0.3575



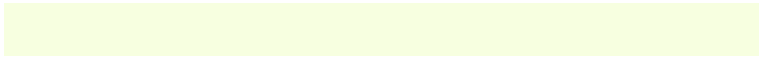
96.6760, 0.3258, 0.3596



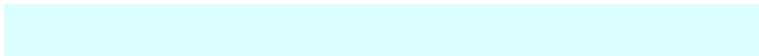
96.6760, 0.3083, 0.3529

# Triad

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



96.6760, 0.3258, 0.3596



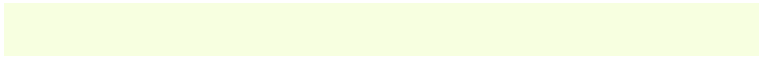
96.6760, 0.2794, 0.3090



96.6760, 0.3333, 0.3188

# Complementary

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



96.6760, 0.3258, 0.3596



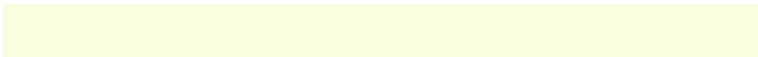
77.6893, 0.2986, 0.2975

# Split Complementary

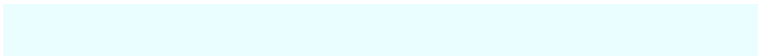
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.6760, 0.3165, 0.3067



96.6760, 0.3258, 0.3596



96.6760, 0.2857, 0.3009

# Square

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



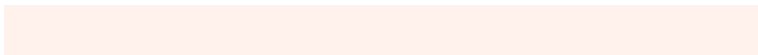
96.6760, 0.3258, 0.3596



96.6760, 0.2818, 0.3230



96.6760, 0.2991, 0.3002



96.6760, 0.3446, 0.3336

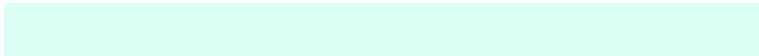


# Rectangle

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



96.6760, 0.3258, 0.3596



96.6760, 0.2971, 0.3444



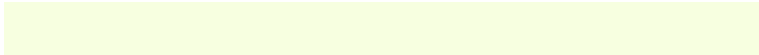
96.6760, 0.2991, 0.3002



96.6760, 0.3281, 0.3143

# Sweetspot

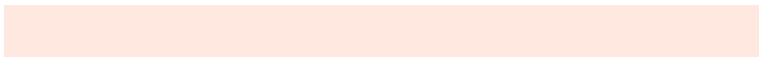
The Sweet Spot groups the original color and five complimentary colors.



96.6802, 0.3258, 0.3596



98.8683, 0.3170, 0.3388



84.2203, 0.3338, 0.3368



21.1173, 0.3178, 0.3407



0.0000, 0.0000, 0.0000

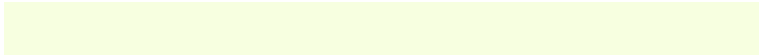


21.4041, 0.3127, 0.3290

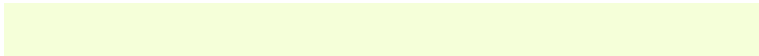


# Same Dimension

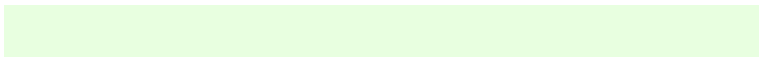
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.6802, 0.3258, 0.3596



95.9660, 0.3289, 0.3671



94.0117, 0.3161, 0.3605



20.8429, 0.3229, 0.3528



43.1455, 0.3746, 0.5408



4.2531, 0.3799, 0.5366



# Inverse Universe

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



77.6893, 0.2986, 0.2975



72.9741, 0.2949, 0.2895



80.3606, 0.3088, 0.2985



17.6025, 0.3019, 0.3047



4.4251, 0.1650, 0.0682

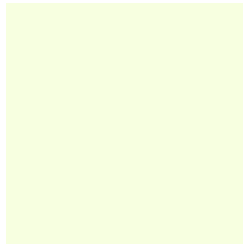


0.4804, 0.1760, 0.0743



# Previews

## White Background



This preview shows how the Yxy color 96.6760, 0.3258, 0.3596 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

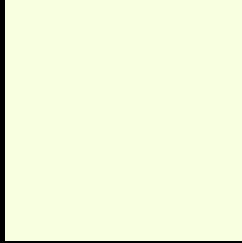
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 96.6760, 0.3258, 0.3596 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

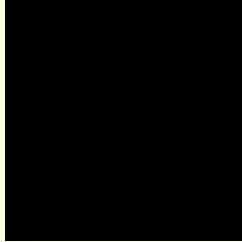
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 96.6760, 0.3258, 0.3596**

## **Background**



This preview shows how black text looks on a background with the Yxy color 96.6760, 0.3258, 0.3596.



This preview shows how white text looks on a background with the Yxy color 96.6760, 0.3258, 0.3596.

# 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

96.6760, 0.3258, 0.3596

### Protanopia

96.6652, 0.3206, 0.3377

### Deuteranopia

96.4708, 0.3165, 0.3300

## Tritanopia

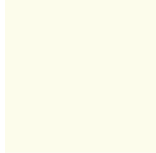
96.9098, 0.3110, 0.3252

# Trichromacy



## Original Color

96.6760, 0.3258, 0.3596



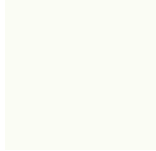
## Protanomaly

96.3144, 0.3227, 0.3456



## Deuteranomaly

96.6075, 0.3198, 0.3407



## Tritanomaly

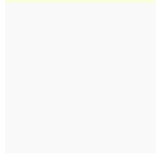
96.4765, 0.3161, 0.3368

# Monochromacy



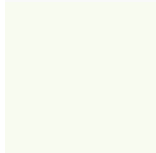
## Original Color

96.6760, 0.3258, 0.3596



## Achromatopsia

94.7307, 0.3127, 0.3290



## Achromatomaly

95.2421, 0.3173, 0.3398

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 96.6760, 0.3258, 0.3596 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(247, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(247, 255, 224)  
}
```

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(247, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 96.6760, 0.3258, 0.3596 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(247, 255, 224) }
```

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

```
.border{ border-color:rgb(247, 255, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 255, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(247, 255,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 96.6760, 0.3258, 0.3596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 255, 224) }
```

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

```
.background{ background-color: rgb(247,  
255, 224) }
```

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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