

# Converting Colors

$Yxy(96.9158, 0.3117, 0.3407)$

Have a look what the booklet for  
Yxy(96.9158, 0.3117, 0.3407)  
contains.

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# Color

**Yxy(96.8683, 0.3115, 0.3408)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2FFF3
RGB	242, 255, 243
RGB Percent	95%, 100%, 95%
CMY	0.0512, 0.0000, 0.0470
CMYK	0.05, 0.00, 0.05, 0.00
HSL	125°, 100%, 97%
HSV	125°, 5%, 100%
XYZ	88.5401, 96.8683, 98.8295
YIQ	249.7450, -3.8960, -6.4880

# Conversions

## Conversions Part 2

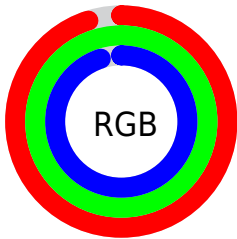
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 254, 255
Decimal	15925235
CIE <sub>Lab</sub>	98.78, -6.41, 4.25
CIE <sub>LCh</sub>	99, 7.685, 146.466
Yxy	96.8683, 0.3115, 0.3408
Android (android.graphics.Color)	4294115315 (0xFF2FF3)
YUV	249.7450, -3.3253, -6.7924
Hunter-Lab	98.4217, -11.6594, 9.3595

# Details

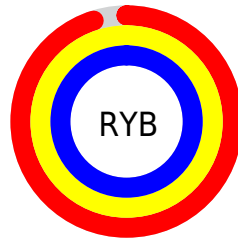
The Yxy color 96.8683, 0.3115, 0.3408 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 91.8787, 0.3139, 0.3175, and the grayscale version is 95.3909, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.4151, 0.3113, 0.3428 is the 20% darker color. If you saturate the color by 10%, you get 91.3317, 0.3090, 0.3662, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

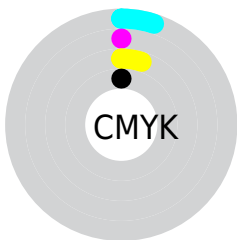
# Distribution



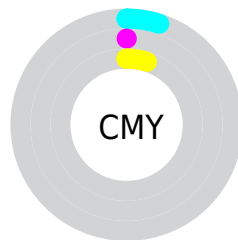
- Red (95%)
- Green (100%)
- Blue (95%)



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



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




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 96.8683, 0.3115, 0.3408 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 96.8683, 0.3115, 0.3408 by changing the saturation by 10% instead.




 96.8683, 0.3115,  
0.3408

 96.8683, 0.3115,  
0.3408


550.1290, 0.3121,  
0.3356

 73.6909, 0.3114,  
0.3419

156.8432, 0.3117,  
0.3390

 54.5411, 0.3112,  
0.3433


194.4096, 0.3118,  
0.3383

 39.0344, 0.3110,  
0.3451


237.5410, 0.3118,  
0.3377

 26.7865, 0.3108,  
0.3473

286.6220, 0.3119,  
0.3372

 17.4130, 0.3104,  
0.3502

342.0369, 0.3119,  
0.3367

 10.5294, 0.3099,  
0.3541

404.1701, 0.3120,

 5.7513, 0.3092,

0.3363

0.3600

473.4060, 0.3120,  
0.3359

■ 2.6945, 0.3080,  
0.3694

■ 0.9744, 0.3065,  
0.3894

■ 96.8683, 0.3115,  
0.3408

■ 96.8683, 0.3115,  
0.3408

■ 91.3317, 0.3090,  
0.3662

100.0000, 0.3127,  
0.3290

■ 86.5822, 0.3065,  
0.3948

■ 82.5747, 0.3040,  
0.4263

■ 79.2715, 0.3017,  
0.4597

■ 76.6319, 0.2997,  
0.4937

■ 74.6108, 0.2983,  
0.5262

■ 73.1576, 0.2976,  
0.5547

■ 72.2136, 0.2977,  
0.5770

■ 71.7073, 0.2985,  
0.5916

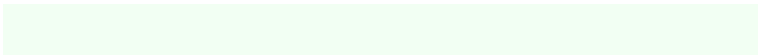
# Harmonies

## Analogous

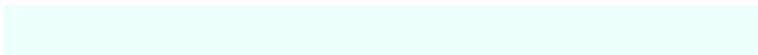
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.8683, 0.3199, 0.3436



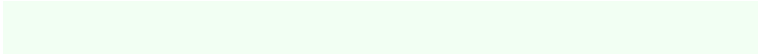
96.8683, 0.3115, 0.3408



96.8683, 0.3035, 0.3347

# Triad

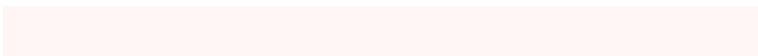
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



96.8683, 0.3115, 0.3408



96.8683, 0.2991, 0.3156



96.8683, 0.3276, 0.3307

# Complementary

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



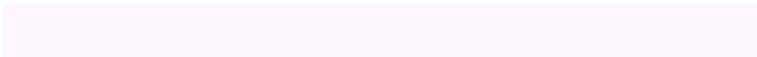
96.8683, 0.3115, 0.3408



91.8787, 0.3139, 0.3175

# Split Complementary

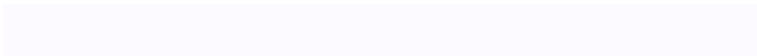
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.8683, 0.3219, 0.3234



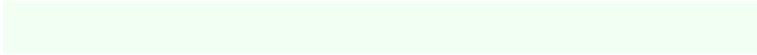
96.8683, 0.3115, 0.3408



96.8683, 0.3055, 0.3148

# Square

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



96.8683, 0.3115, 0.3408



96.8683, 0.2965, 0.3201



96.8683, 0.3138, 0.3176

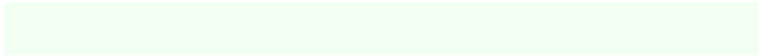


96.8683, 0.3293, 0.3377

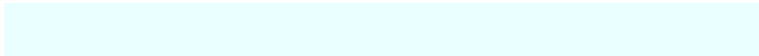


# Rectangle

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



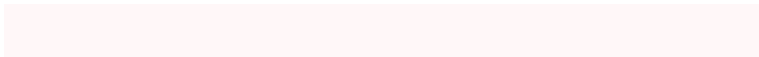
96.8683, 0.3115, 0.3408



96.8683, 0.2995, 0.3296



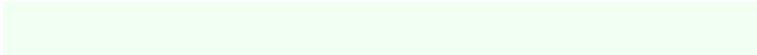
96.8683, 0.3138, 0.3176



96.8683, 0.3261, 0.3282

# Sweetspot

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



96.8578, 0.3115, 0.3408



98.7476, 0.3122, 0.3335



99.0223, 0.3198, 0.3416



21.1492, 0.3123, 0.3333



0.0000, 0.0000, 0.0000

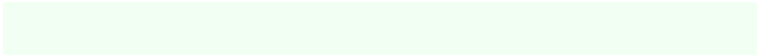


21.4041, 0.3127, 0.3290

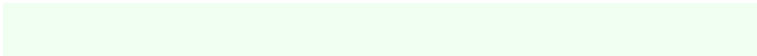


# Same Dimension

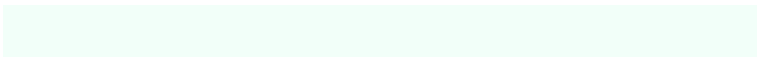
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.8578, 0.3115, 0.3408



96.3409, 0.3113, 0.3429



97.2471, 0.3079, 0.3345



20.5394, 0.3111, 0.3445



37.4071, 0.2986, 0.5948



3.6501, 0.2954, 0.5835



# Inverse Universe

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



91.8787, 0.3139, 0.3175



90.5432, 0.3142, 0.3155



91.4798, 0.3178, 0.3236



19.1695, 0.3143, 0.3140



14.2271, 0.3427, 0.1661

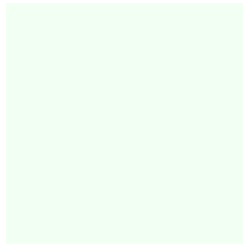


1.3925, 0.3399, 0.1646



# Previews

## White Background



This preview shows how the Yxy color 96.8683, 0.3115, 0.3408 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

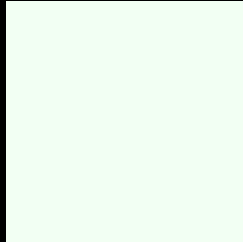
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 96.8683, 0.3115, 0.3408 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

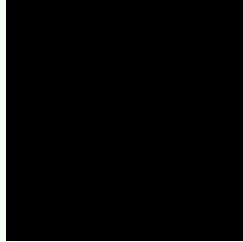
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 96.8683, 0.3115, 0.3408**

## **Background**



This preview shows how black text looks on a background with the Yxy color 96.8683, 0.3115, 0.3408.

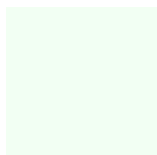


This preview shows how white text looks on a background with the Yxy color 96.8683, 0.3115, 0.3408.

# 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

96.8683, 0.3115, 0.3408



### Protanopia

96.9082, 0.3182, 0.3338

### Deuteranopia

96.5962, 0.3153, 0.3281

## **Tritanopia**

96.5384, 0.3098, 0.3252

# Trichromacy



**Original Color**

96.8683, 0.3115, 0.3408

**Protanomaly**

96.5374, 0.3155, 0.3358

**Deuteranomaly**

96.7221, 0.3138, 0.3329

**Tritanomaly**

96.3600, 0.3102, 0.3300

# Monochromacy



**Original Color**

96.8683, 0.3115, 0.3408

**Achromatopsia**

95.5973, 0.3127, 0.3290

**Achromatomaly**

96.1104, 0.3125, 0.3339

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  96.8683, 0.3115, 0.3408 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, 243)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 243)  
}
```

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, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 96.8683, 0.3115, 0.3408 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, 243) }
```

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

```
.border{ border-color:rgb(242, 255, 243) }
```

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, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 243);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 96.8683, 0.3115, 0.3408 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, 243) }
```

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

```
.background{ background-color: rgb(242,  
255, 243) }
```

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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