

# Converting Colors

$Y_{xy}(118.2360, 0.3073, 0.3625)$

Have a look what the booklet for  
Yxy(118.2360, 0.3073, 0.3625)  
contains.

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# Color

**Yxy(97.4768, 0.3082, 0.3339)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3FFFA
RGB	243, 255, 250
RGB Percent	95%, 100%, 98%
CMY	0.0470, 0.0000, 0.0198
CMYK	0.05, 0.00, 0.02, 0.00
HSL	155°, 100%, 98%
HSV	155°, 5%, 100%
XYZ	89.9741, 97.4768, 104.4832
YIQ	250.8420, -5.5470, -4.0990

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	243, 251, 255
Decimal	15990778
CIE Lab	99.02, -4.82, 1.03
CIE LCh	99, 4.927, 167.880
Yxy	97.4768, 0.3082, 0.3339
Android (android.graphics.Color)	4294180858 (0xFFFF3FFFA)
YUV	250.8420, -0.4151, -6.8774
Hunter-Lab	98.7303, -10.1090, 6.3665

# Details

The Yxy color 97.4768, 0.3082, 0.3339 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 92.1459, 0.3175, 0.3242, and the grayscale version is 96.3361, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.8480, 0.3070, 0.3339 is the 20% darker color. If you saturate the color by 10%, you get 92.5965, 0.2988, 0.3452, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

# Distribution



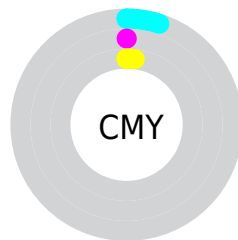
- Red (95%)
- Green (100%)
- Blue (98%)



- Red (95%)
- Yellow (98%)
- Blue (100%)



- Cyan (5%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (5%)
- Magenta (0%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 97.4768, 0.3082, 0.3339 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 97.4768, 0.3082, 0.3339 by changing the saturation by 10% instead.



 97.4768, 0.3082,  
0.3339

 97.4768, 0.3082,  
0.3339

552.0642, 0.3102,  
0.3318

 74.1981, 0.3078,  
0.3344


157.6820, 0.3089,  
0.3332

 54.9562, 0.3072,  
0.3349

195.3773, 0.3091,  
0.3329

 39.3667, 0.3066,  
0.3356


238.6470, 0.3094,  
0.3326

 27.0451, 0.3058,  
0.3365

287.8754, 0.3096,  
0.3324

 17.6071, 0.3047,  
0.3377

343.4469, 0.3098,  
0.3322

 10.6683, 0.3032,  
0.3393

405.7459, 0.3099,

 5.8442, 0.3011,

0.3320

0.3416

475.1569, 0.3101,  
0.3319

■ 2.7506, 0.2978,  
0.3453

■ 1.0030, 0.2917,  
0.3520

■ 97.4768, 0.3082,  
0.3339

■ 97.4768, 0.3082,  
0.3339

■ 92.5965, 0.2988,  
0.3452

100.0000, 0.3127,  
0.3290

■ 88.3590, 0.2898,  
0.3577

■ 84.7350, 0.2815,  
0.3714

■ 81.6942, 0.2743,  
0.3862

■ 79.2035, 0.2685,  
0.4019

■ 77.2264, 0.2643,  
0.4182

■ 75.7217, 0.2621,  
0.4349

■ 74.6418, 0.2620,  
0.4514

■ 73.9281, 0.2639,  
0.4676

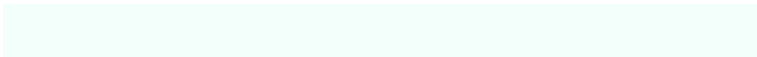
# Harmonies

## Analogous

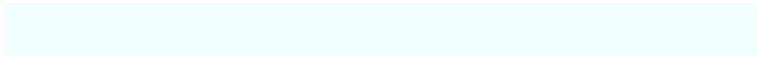
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.4768, 0.3135, 0.3373



97.4768, 0.3082, 0.3339



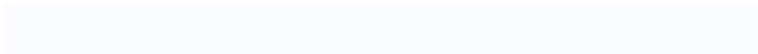
97.4768, 0.3041, 0.3292

# Triad

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



97.4768, 0.3082, 0.3339



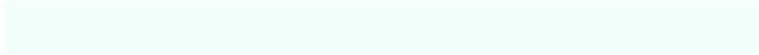
97.4768, 0.3067, 0.3198



97.4768, 0.3233, 0.3334

# Complementary

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



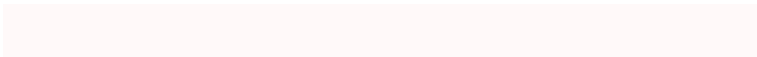
97.4768, 0.3082, 0.3339



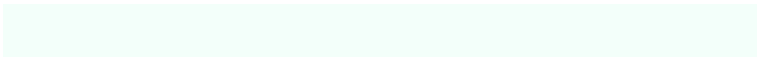
92.1459, 0.3175, 0.3242

# 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.



97.4768, 0.3214, 0.3288



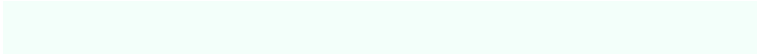
97.4768, 0.3082, 0.3339



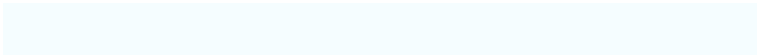
97.4768, 0.3118, 0.3209

# Square

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



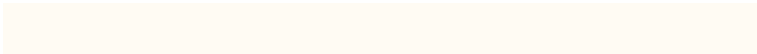
97.4768, 0.3082, 0.3339



97.4768, 0.3033, 0.3211



97.4768, 0.3172, 0.3242



97.4768, 0.3223, 0.3369



# Rectangle

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



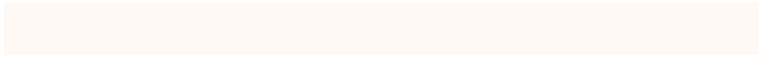
97.4768, 0.3082, 0.3339



97.4768, 0.3026, 0.3260



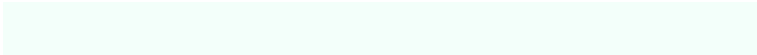
97.4768, 0.3172, 0.3242



97.4768, 0.3230, 0.3319

# Sweetspot

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



97.4759, 0.3082, 0.3339



99.4508, 0.3118, 0.3300



97.9854, 0.3154, 0.3407



21.2923, 0.3118, 0.3300



0.0000, 0.0000, 0.0000

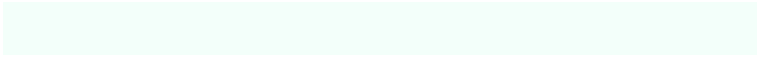


21.4041, 0.3127, 0.3290



# Same Dimension

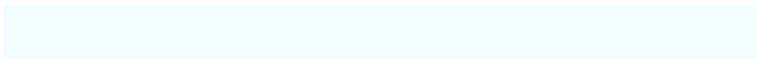
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97.4759, 0.3082, 0.3339



96.8058, 0.3070, 0.3353



97.2870, 0.3054, 0.3282



20.6491, 0.3063, 0.3360



38.5167, 0.2648, 0.4733



3.7721, 0.2598, 0.4551



# Inverse Universe

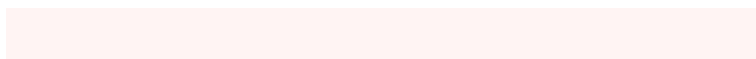
The Inverse Universe completely reimagines the original color for something new.



92.1459, 0.3175, 0.3242



90.0653, 0.3189, 0.3228



92.3169, 0.3205, 0.3298



19.0564, 0.3196, 0.3221



11.6929, 0.5302, 0.2694



1.1597, 0.5008, 0.2532



# Previews

## White Background



This preview shows how the Yxy color 97.4768, 0.3082, 0.3339 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

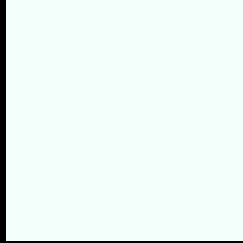
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 97.4768, 0.3082, 0.3339 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

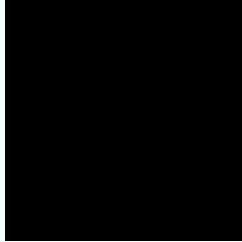
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 97.4768, 0.3082, 0.3339**

## **Background**



This preview shows how black text looks on a background with the Yxy color 97.4768, 0.3082, 0.3339.



This preview shows how white text looks on a background with the Yxy color 97.4768, 0.3082, 0.3339.

# 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

A vertical rectangular area divided into three colored sections: a light green top section, a light orange middle section, and a light pink bottom section. To the right of each section is text describing the color and its corresponding RGB values.

### Original Color

97.4768, 0.3082, 0.3339

### Protanopia

97.1565, 0.3158, 0.3300

### Deuteranopia

97.2826, 0.3146, 0.3281

## Tritanopia

97.3500, 0.3104, 0.3261

# Trichromacy



**Original Color**

97.4768, 0.3082, 0.3339

**Protanomaly**

97.0322, 0.3133, 0.3309

**Deuteranomaly**

97.0951, 0.3127, 0.3300

**Tritanomaly**

97.2989, 0.3096, 0.3290

# Monochromacy



**Original Color**

97.4768, 0.3082, 0.3339

**Achromatopsia**

96.4686, 0.3127, 0.3290

**Achromatomaly**

96.5423, 0.3108, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 97.4768, 0.3082, 0.3339 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(243, 255, 250)` looks like.

```
.text, #text, p{  
    color:rgb(243, 255, 250)  
}
```

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(243, 255, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 255, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 97.4768, 0.3082, 0.3339 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(243, 255, 250) }
```

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

```
.border{ border-color:rgb(243, 255, 250) }
```

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

Here you see how a box with a 4 pixel rgb(243, 255, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(243, 255,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 97.4768, 0.3082, 0.3339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 255, 250) }
```

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

```
.background{ background-color: rgb(243,  
255, 250) }
```

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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