

# Converting Colors

$Yxy(93.8253, 0.3075, 0.3339)$

Have a look what the booklet for  
Yxy(93.8253, 0.3075, 0.3339)  
contains.

<b>Yxy(93.8253, 0.3075, 0.3339)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(93.8253, 0.3075, 0.3339)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEFBF6
RGB	238, 251, 246
RGB Percent	93%, 98%, 96%
CMY	0.0665, 0.0157, 0.0352
CMYK	0.05, 0.00, 0.02, 0.02
HSL	157°, 62%, 96%
HSV	157°, 5%, 98%
XYZ	86.4069, 93.8253, 100.7660
YIQ	246.5430, -6.1430, -4.3110

# Conversions

## Conversions Part 2

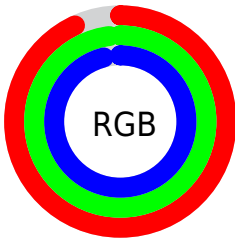
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	238, 246, 251
Decimal	15662070
CIE Lab	97.56, -5.12, 0.89
CIE LCh	98, 5.201, 170.097
Yxy	93.8253, 0.3075, 0.3339
Android (android.graphics.Color)	4293852150 (0xFFEEFBF6)
YUV	246.5430, -0.2677, -7.4922
Hunter-Lab	96.8635, -10.2803, 6.1257

# Details

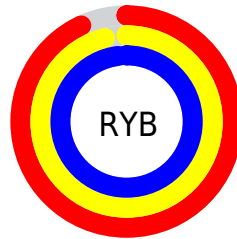
The Yxy color 93.8253, 0.3075, 0.3339 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.1574, 0.3182, 0.3242, and the grayscale version is 92.6370, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 52.6930, 0.3061, 0.3353 is the 20% darker color. If you saturate the color by 10%, you get 89.2064, 0.2976, 0.3442, and if you desaturate by 10%, it is 97.4679, 0.3129, 0.3252.

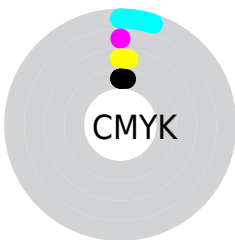
# Distribution



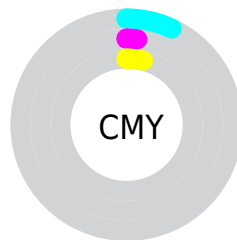
- Red (93%)
- Green (98%)
- Blue (96%)



- Red (93%)
- Yellow (96%)
- Blue (98%)



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




- Cyan (7%)
- Magenta (2%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.8253, 0.3075, 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 93.8253, 0.3075, 0.3339 by changing the saturation by 10% instead.




 93.8253, 0.3075,  
0.3339

 93.8253, 0.3075,  
0.3339


540.3974, 0.3098,  
0.3317

 71.1577, 0.3070,  
0.3344


152.6407, 0.3083,  
0.3332

 52.4709, 0.3064,  
0.3350


189.5573, 0.3086,  
0.3329

 37.3805, 0.3056,  
0.3357


231.9923, 0.3089,  
0.3326

 25.5023, 0.3046,  
0.3366

280.3301, 0.3091,  
0.3324

 16.4516, 0.3034,  
0.3378

334.9551, 0.3093,  
0.3322

 9.8443, 0.3016,  
0.3394

396.2517, 0.3095,

 5.2959, 0.2990,

0.3320

0.3419

464.6044, 0.3097,  
0.3319

■ 2.4219, 0.2949,  
0.3458

■ 0.8371, 0.2845,  
0.3552

■ 93.8253, 0.3075,  
0.3339

■ 93.8253, 0.3075,  
0.3339

■ 89.2064, 0.2976,  
0.3442

■ 97.4679, 0.3129,  
0.3252


■ 85.1944, 0.2882,  
0.3557


■ 81.7663, 0.2795,  
0.3681

■ 78.8928, 0.2720,  
0.3815

 76.5422, 0.2659,  
0.3958

 74.6793, 0.2615,  
0.4106

 73.2646, 0.2591,  
0.4256

 72.2519, 0.2588,  
0.4407

 71.5847, 0.2605,  
0.4554

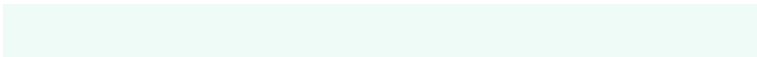
# Harmonies

## Analogous

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



93.8253, 0.3132, 0.3377



93.8253, 0.3075, 0.3339



93.8253, 0.3033, 0.3288

# Triad

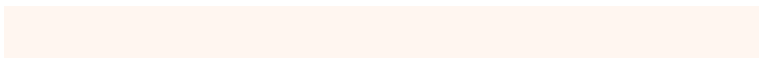
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.8253, 0.3075, 0.3339



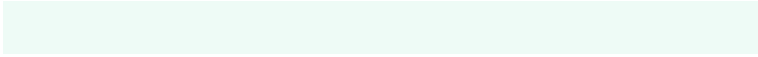
93.8253, 0.3067, 0.3192



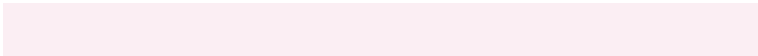
93.8253, 0.3240, 0.3340

# Complementary

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



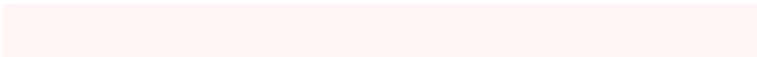
93.8253, 0.3075, 0.3339



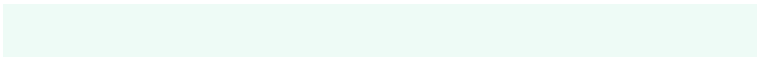
88.1574, 0.3182, 0.3242

# 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.



93.8253, 0.3223, 0.3291



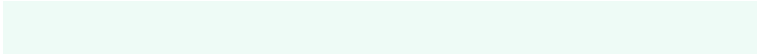
93.8253, 0.3075, 0.3339



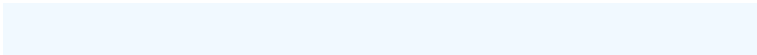
93.8253, 0.3122, 0.3206

# Square

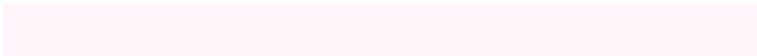
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



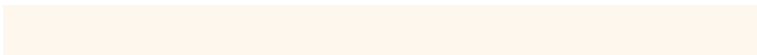
93.8253, 0.3075, 0.3339



93.8253, 0.3028, 0.3203



93.8253, 0.3179, 0.3242

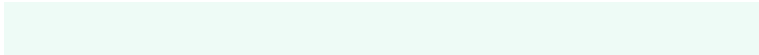


93.8253, 0.3227, 0.3377

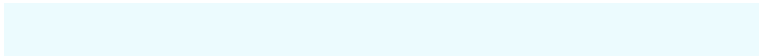


# Rectangle

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



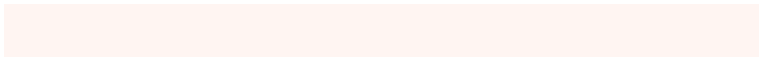
93.8253, 0.3075, 0.3339



93.8253, 0.3018, 0.3254



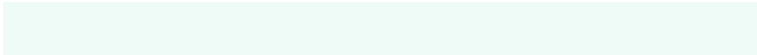
93.8253, 0.3179, 0.3242



93.8253, 0.3238, 0.3325

# Sweetspot

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



93.8293, 0.3075, 0.3339



98.9202, 0.3107, 0.3309



94.2588, 0.3154, 0.3418



21.1843, 0.3108, 0.3308



0.0000, 0.0000, 0.0000

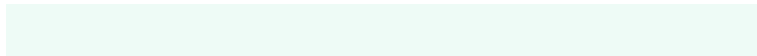


21.4041, 0.3127, 0.3290



# Same Dimension

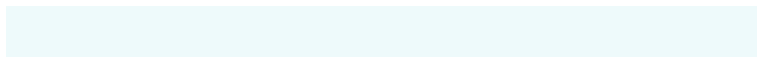
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.8293, 0.3075, 0.3339



96.8407, 0.3066, 0.3347



93.3325, 0.3047, 0.3277



19.7767, 0.3060, 0.3354



37.5352, 0.2611, 0.4600

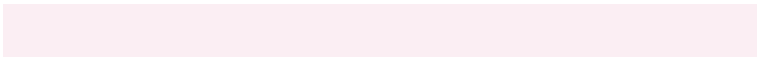


3.4971, 0.2563, 0.4426



# Inverse Universe

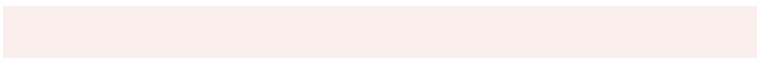
The Inverse Universe completely reimagines the original color for something new.



88.1574, 0.3182, 0.3242



90.0309, 0.3192, 0.3233



88.6181, 0.3212, 0.3303



18.2393, 0.3199, 0.3227



11.2530, 0.5449, 0.2775

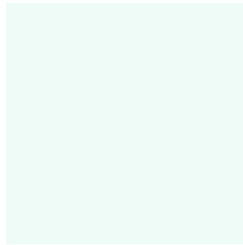


1.0622, 0.5127, 0.2598



# Previews

## White Background



This preview shows how the Yxy color 93.8253, 0.3075, 0.3339 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

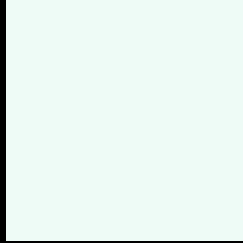
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.8253, 0.3075, 0.3339 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

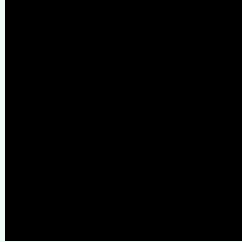
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

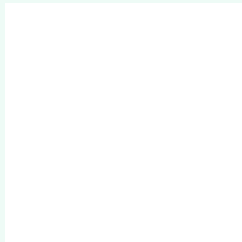
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 93.8253, 0.3075, 0.3339**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.8253, 0.3075, 0.3339.

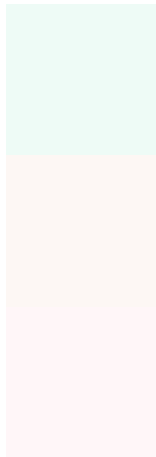


This preview shows how white text looks on a background with the Yxy color 93.8253, 0.3075, 0.3339.

# 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



### Original Color

93.8253, 0.3075, 0.3339

### Protanopia

93.9358, 0.3184, 0.3319

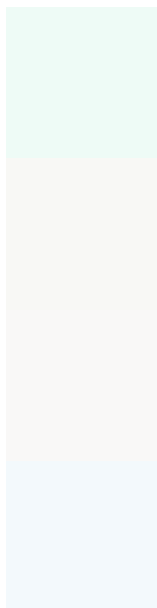
### Deuteranopia

93.9488, 0.3173, 0.3271

## **Tritanopia**

93.9476, 0.3074, 0.3222

# Trichromacy



## Original Color

93.8253, 0.3075, 0.3339

## Protanomaly

93.6838, 0.3145, 0.3319

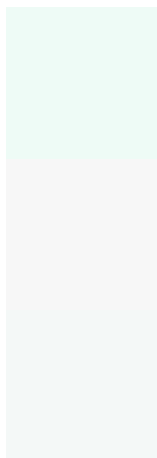
## Deuteranomaly

93.9899, 0.3139, 0.3300

## Tritanomaly

93.8343, 0.3072, 0.3261

# Monochromacy



## Original Color

93.8253, 0.3075, 0.3339

## Achromatopsia

93.0111, 0.3127, 0.3290

## Achromatomaly

93.0833, 0.3108, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.8253, 0.3075, 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(238, 251, 246)` looks like.

```
.text, #text, p{  
    color:rgb(238, 251, 246)  
}
```

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(238, 251, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 251, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 93.8253, 0.3075, 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(238, 251, 246) }
```

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

```
.border{ border-color:rgb(238, 251, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 251, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 251, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 251, 246);  
box-shadow:4px 4px 4px 4px rgb(238, 251,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.8253, 0.3075, 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(238, 251, 246) }
```

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

```
.background{ background-color: rgb(238,  
251, 246) }
```

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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