

# Converting Colors

$Yxy(94.3759, 0.3148, 0.3372)$

Have a look what the booklet for  
Yxy(94.3759, 0.3148, 0.3372)  
contains.

<b>Yxy(94.3748, 0.3149, 0.3369)</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(94.3748, 0.3149, 0.3369)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6FAF2
RGB	246, 250, 242
RGB Percent	96%, 98%, 95%
CMY	0.0353, 0.0196, 0.0511
CMYK	0.02, 0.00, 0.03, 0.02
HSL	90°, 45%, 96%
HSV	90°, 3%, 98%
XYZ	88.2120, 94.3748, 97.5402
YIQ	247.8920, 0.1840, -3.3360

# Conversions

## Conversions Part 2

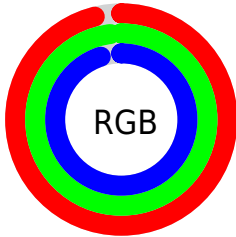
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 250, 246
Decimal	16186098
CIE Lab	97.78, -2.73, 3.38
CIE LCh	98, 4.342, 128.919
Yxy	94.3748, 0.3149, 0.3369
Android (android.graphics.Color)	4294376178 (0xFF6FAF2)
YUV	247.8920, -2.9048, -1.6593
Hunter-Lab	97.1467, -7.9236, 8.4725

# Details

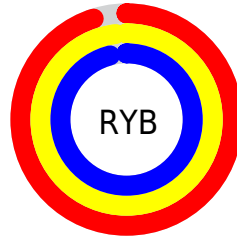
The Yxy color 94.3748, 0.3149, 0.3369 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.9739, 0.3105, 0.3211, and the grayscale version is 93.8007, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.0759, 0.3155, 0.3390 is the 20% darker color. If you saturate the color by 10%, you get 90.7969, 0.3217, 0.3629, and if you desaturate by 10%, it is 96.8585, 0.3129, 0.3243.

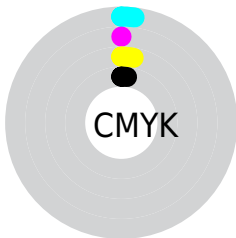
# Distribution



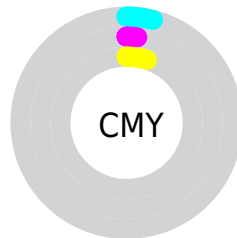
- Red (96%)
- Green (98%)
- Blue (95%)



- Red (95%)
- Yellow (98%)
- Blue (96%)



- Cyan (2%)
- Magenta (0%)
- Yellow (3%)
- Black (2%)




- Cyan (4%)
- Magenta (2%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.3748, 0.3149, 0.3369 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 94.3748, 0.3149, 0.3369 by changing the saturation by 10% instead.




 94.3748, 0.3149,  
0.3369

 94.3748, 0.3149,  
0.3369

542.1615, 0.3139,  
0.3334

 71.6147, 0.3151,  
0.3377


153.4006, 0.3146,  
0.3357

 52.8440, 0.3154,  
0.3386


190.4351, 0.3145,  
0.3352

 37.6783, 0.3157,  
0.3398

232.9965, 0.3143,  
0.3348

 25.7331, 0.3161,  
0.3412

281.4693, 0.3142,  
0.3345

 16.6241, 0.3166,  
0.3432

336.2378, 0.3142,  
0.3342

 9.9668, 0.3173,  
0.3459

397.6864, 0.3141,

 5.3770, 0.3182,

0.3339

0.3498

466.1995, 0.3140,  
0.3336

■ 2.4701, 0.3198,  
0.3561

■ 0.8616, 0.3249,  
0.3720

■ 94.3748, 0.3149,  
0.3369

■ 94.3748, 0.3149,  
0.3369

■ 90.7969, 0.3217,  
0.3629

■ 96.8585, 0.3129,  
0.3243

■ 87.5606, 0.3283,  
0.3910

■ 84.6582, 0.3344,  
0.4205

■ 82.0770, 0.3397,  
0.4508

■ 79.8033, 0.3436,  
0.4805

■ 77.8225, 0.3458,  
0.5083

■ 76.1181, 0.3458,  
0.5325

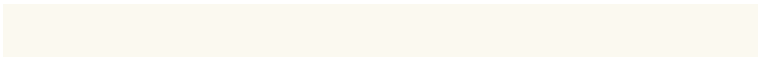
■ 74.6719, 0.3436,  
0.5519

■ 73.4618, 0.3392,  
0.5654

# Harmonies

## Analogous

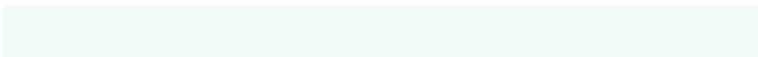
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.3748, 0.3192, 0.3372



94.3748, 0.3149, 0.3369



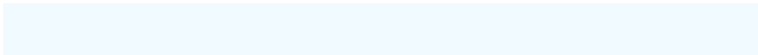
94.3748, 0.3101, 0.3344

# Triad

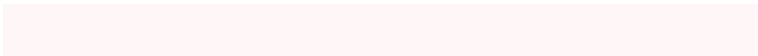
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



94.3748, 0.3149, 0.3369



94.3748, 0.3038, 0.3227



94.3748, 0.3195, 0.3275

# Complementary

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



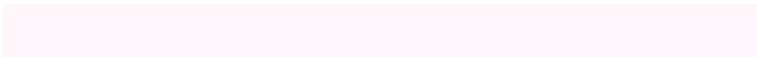
94.3748, 0.3149, 0.3369



89.9739, 0.3105, 0.3211

# Split Complementary

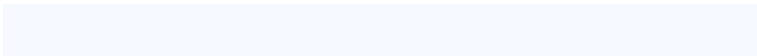
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.3748, 0.3154, 0.3237



94.3748, 0.3149, 0.3369



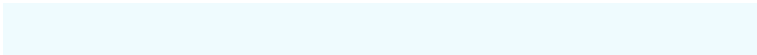
94.3748, 0.3063, 0.3209

# Square

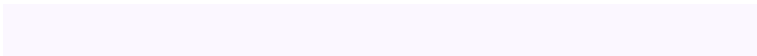
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



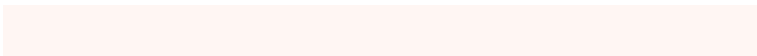
94.3748, 0.3149, 0.3369



94.3748, 0.3037, 0.3262



94.3748, 0.3105, 0.3213



94.3748, 0.3219, 0.3318

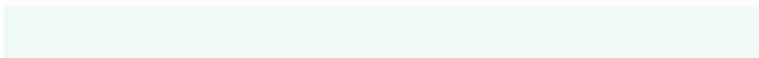


# Rectangle

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



94.3748, 0.3149, 0.3369



94.3748, 0.3072, 0.3319



94.3748, 0.3105, 0.3213



94.3748, 0.3183, 0.3261

# Sweetspot

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



94.3789, 0.3149, 0.3369



99.5963, 0.3134, 0.3314



92.5568, 0.3177, 0.3328



21.3220, 0.3134, 0.3313



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.



94.3789, 0.3149, 0.3369



98.4076, 0.3154, 0.3389



93.6814, 0.3124, 0.3370



20.1047, 0.3159, 0.3407



38.6735, 0.3366, 0.5709



3.6449, 0.3456, 0.5638



# Inverse Universe

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



89.9739, 0.3105, 0.3211



92.7077, 0.3099, 0.3191



90.6861, 0.3130, 0.3212



18.7268, 0.3094, 0.3173



6.0504, 0.2020, 0.0886

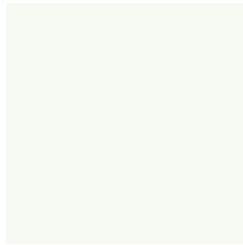


0.6234, 0.2149, 0.0957



# Previews

## White Background



This preview shows how the Yxy color 94.3748, 0.3149, 0.3369 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 94.3748, 0.3149, 0.3369 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

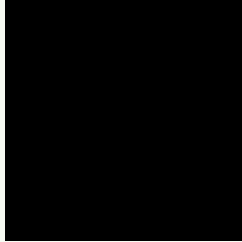
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

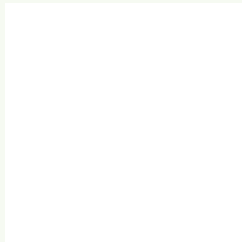
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 94.3748, 0.3149, 0.3369**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.3748, 0.3149, 0.3369.

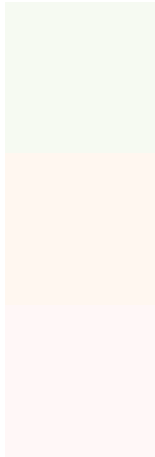


This preview shows how white text looks on a background with the Yxy color 94.3748, 0.3149, 0.3369.

# 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

94.3748, 0.3149, 0.3369

### Protanopia

94.0728, 0.3221, 0.3358

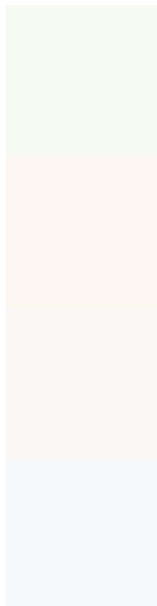
### Deuteranopia

94.4969, 0.3178, 0.3290

## **Tritanopia**

94.4945, 0.3092, 0.3222

# Trichromacy



## Original Color

94.3748, 0.3149, 0.3369

## Protanomaly

94.1811, 0.3195, 0.3358

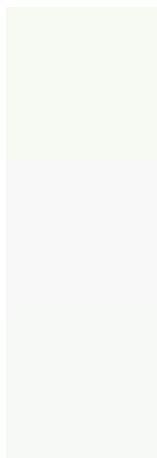
## Deuteranomaly

94.4228, 0.3171, 0.3319

## Tritanomaly

94.6099, 0.3115, 0.3280

# Monochromacy



## Original Color

94.3748, 0.3149, 0.3369

## Achromatopsia

93.8686, 0.3127, 0.3290

## Achromatomaly

94.1793, 0.3132, 0.3319

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.3748, 0.3149, 0.3369 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(246, 250, 242)` looks like.

```
.text, #text, p{  
    color:rgb(246, 250, 242)  
}
```

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(246, 250, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 250, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 94.3748, 0.3149, 0.3369 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(246, 250, 242) }
```

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

```
.border{ border-color:rgb(246, 250, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 250, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 250, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 250, 242);  
box-shadow:4px 4px 4px 4px rgb(246, 250,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.3748, 0.3149, 0.3369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 250, 242) }
```

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

```
.background{ background-color: rgb(246,  
250, 242) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor