

# Converting Colors

$Yxy(94.0447, 0.3089, 0.3340)$

Have a look what the booklet for  
Yxy(94.0447, 0.3089, 0.3340)  
contains.

<b>Yxy(94.1734, 0.3087, 0.3339)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(94.1734, 0.3087, 0.3339)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0FBF6
RGB	240, 251, 246
RGB Percent	94%, 98%, 96%
CMY	0.0589, 0.0157, 0.0352
CMYK	0.04, 0.00, 0.02, 0.02
HSL	153°, 58%, 96%
HSV	153°, 4%, 98%
XYZ	87.0660, 94.1734, 100.8014
YIQ	247.1410, -4.9510, -3.8870

# Conversions

## Conversions Part 2

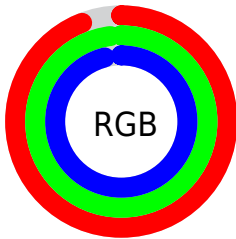
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 247, 251
Decimal	15793142
CIE Lab	97.70, -4.50, 1.11
CIE LCh	98, 4.636, 166.101
Yxy	94.1734, 0.3087, 0.3339
Android (android.graphics.Color)	4293983222 (0xFFFF0FBF6)
YUV	247.1410, -0.5625, -6.2627
Hunter-Lab	97.0430, -9.6768, 6.3438

# Details

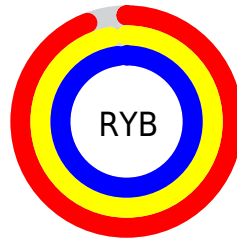
The Yxy color 94.1734, 0.3087, 0.3339 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.4112, 0.3169, 0.3242, and the grayscale version is 93.1421, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 52.9383, 0.3077, 0.3353 is the 20% darker color. If you saturate the color by 10%, you get 89.4095, 0.2997, 0.3460, and if you desaturate by 10%, it is 97.4793, 0.3129, 0.3252.

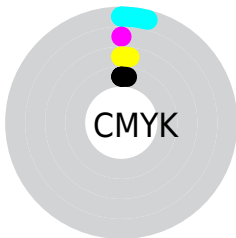
# Distribution



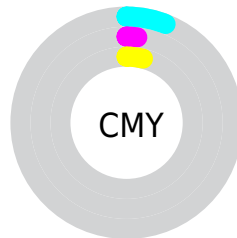
- Red (94%)
- Green (98%)
- Blue (96%)



- Red (94%)
- Yellow (97%)
- Blue (98%)



- Cyan (4%)
- Magenta (0%)
- Yellow (2%)
- Black (2%)




- Cyan (6%)
- Magenta (2%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.1734, 0.3087, 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 94.1734, 0.3087, 0.3339 by changing the saturation by 10% instead.



 94.1734, 0.3087,  
0.3339

 94.1734, 0.3087,  
0.3339


541.5153, 0.3105,  
0.3317

 71.4472, 0.3083,  
0.3344


153.1221, 0.3093,  
0.3332

 52.7072, 0.3078,  
0.3349

190.1134, 0.3095,  
0.3329

 37.5691, 0.3072,  
0.3357


232.6286, 0.3098,  
0.3326

 25.6484, 0.3065,  
0.3366

281.0519, 0.3099,  
0.3324

 16.5608, 0.3055,  
0.3378

335.7679, 0.3101,  
0.3322

 9.9219, 0.3042,  
0.3394

397.1608, 0.3102,

 5.3472, 0.3022,

0.3320

0.3419

465.6152, 0.3104,  
0.3319

■ 2.4524, 0.2990,  
0.3457

■ 0.8526, 0.2914,  
0.3547

■ 94.1734, 0.3087,  
0.3339

■ 94.1734, 0.3087,  
0.3339

■ 89.4095, 0.2997,  
0.3460

■ 97.4793, 0.3129,  
0.3252

■ 85.2662, 0.2911,  
0.3595

■ 81.7201, 0.2832,  
0.3742

■ 78.7419, 0.2762,  
0.3901

■ 76.2997, 0.2706,  
0.4071

■ 74.3584, 0.2667,  
0.4247

■ 72.8784, 0.2647,  
0.4426

■ 71.8139, 0.2647,  
0.4604

■ 71.1088, 0.2668,  
0.4776

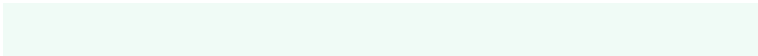
# Harmonies

## Analogous

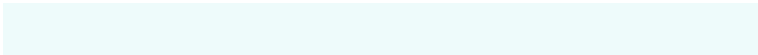
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.1734, 0.3138, 0.3370



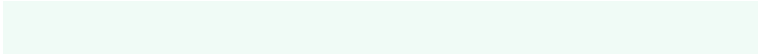
94.1734, 0.3087, 0.3339



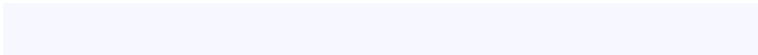
94.1734, 0.3047, 0.3295

# Triad

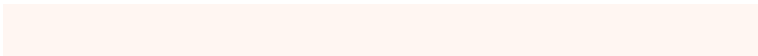
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



94.1734, 0.3087, 0.3339



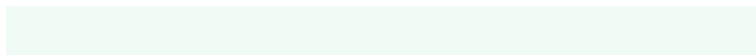
94.1734, 0.3068, 0.3202



94.1734, 0.3227, 0.3330

# Complementary

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



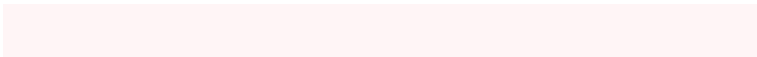
94.1734, 0.3087, 0.3339



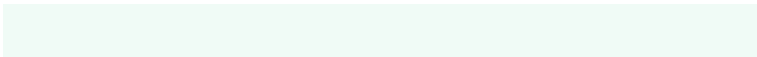
89.4112, 0.3169, 0.3242

# Split Complementary

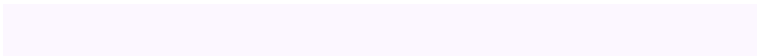
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.1734, 0.3208, 0.3285



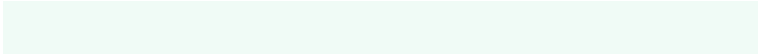
94.1734, 0.3087, 0.3339



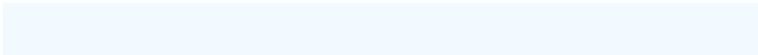
94.1734, 0.3116, 0.3212

# Square

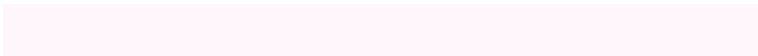
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



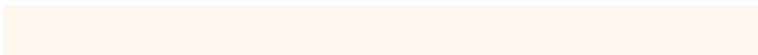
94.1734, 0.3087, 0.3339



94.1734, 0.3036, 0.3216



94.1734, 0.3167, 0.3242

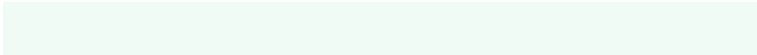


94.1734, 0.3219, 0.3364

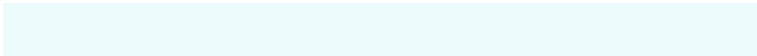


# Rectangle

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



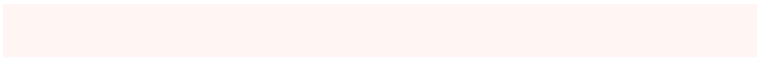
94.1734, 0.3087, 0.3339



94.1734, 0.3032, 0.3264



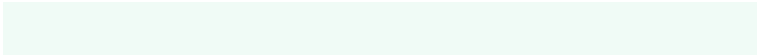
94.1734, 0.3167, 0.3242



94.1734, 0.3224, 0.3315

# Sweetspot

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



94.1774, 0.3087, 0.3339



99.4457, 0.3118, 0.3301



94.7251, 0.3155, 0.3399



21.2913, 0.3118, 0.3300



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

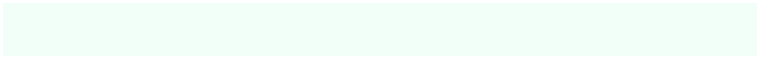


# Same Dimension

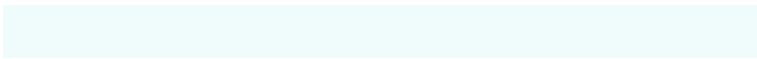
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.1774, 0.3087, 0.3339



97.2964, 0.3081, 0.3346



94.2578, 0.3059, 0.3286



19.8623, 0.3075, 0.3354



37.2561, 0.2678, 0.4842



3.4719, 0.2622, 0.4640



# Inverse Universe

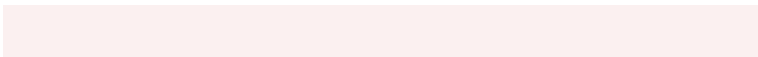
The Inverse Universe completely reimagines the original color for something new.



89.4112, 0.3169, 0.3242



91.6908, 0.3175, 0.3235



89.3280, 0.3200, 0.3294



18.5611, 0.3182, 0.3227



11.4391, 0.5168, 0.2621

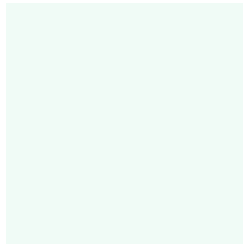


1.0805, 0.4875, 0.2459



# Previews

## White Background



This preview shows how the Yxy color 94.1734, 0.3087, 0.3339 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

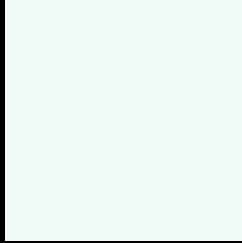
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.1734, 0.3087, 0.3339 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

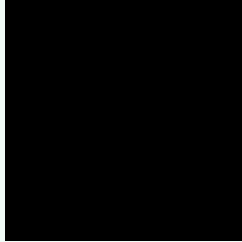
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

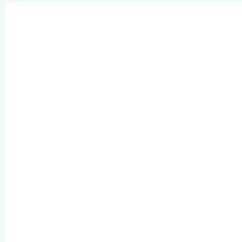
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 94.1734, 0.3087, 0.3339**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.1734, 0.3087, 0.3339.

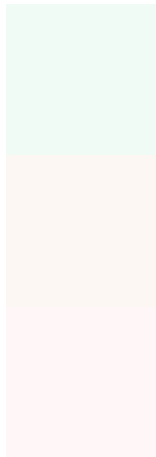


This preview shows how white text looks on a background with the Yxy color 94.1734, 0.3087, 0.3339.

# 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

94.1734, 0.3087, 0.3339

### Protanopia

93.9358, 0.3184, 0.3319

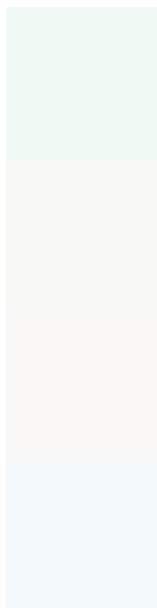
### Deuteranopia

93.9488, 0.3173, 0.3271

## Tritanopia

94.1290, 0.3080, 0.3222

# Trichromacy



## Original Color

94.1734, 0.3087, 0.3339

## Protanomaly

93.6838, 0.3145, 0.3319

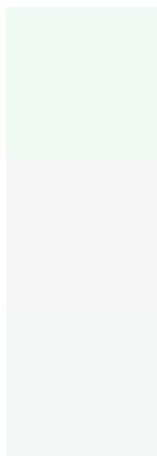
## Deuteranomaly

94.1742, 0.3146, 0.3300

## Tritanomaly

94.0127, 0.3078, 0.3261

# Monochromacy



## Original Color

94.1734, 0.3087, 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 94.1734, 0.3087, 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(240, 251, 246)` looks like.

```
.text, #text, p{  
    color:rgb(240, 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(240, 251, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 251, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 94.1734, 0.3087, 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(240, 251, 246) }
```

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

```
.border{ border-color:rgb(240, 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(240, 251, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 251, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 251, 246);  
box-shadow:4px 4px 4px 4px rgb(240, 251,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.1734, 0.3087, 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(240, 251, 246) }
```

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

```
.background{ background-color: rgb(240,  
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](#).

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