

# Converting Colors

$Y_{xy}(100.0000, 0.3421, 0.3399)$

Have a look what the booklet for  
Yxy(100.0000, 0.3421, 0.3399)  
contains.

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# Color

**Yxy(94.4509, 0.3244, 0.3407)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF8EC
RGB	255, 248, 236
RGB Percent	100%, 97%, 93%
CMY	0.0002, 0.0274, 0.0745
CMYK	0.00, 0.03, 0.07, 0.00
HSL	38°, 99%, 96%
HSV	38°, 7%, 100%
XYZ	89.9321, 94.4509, 92.8430
YIQ	248.7250, 8.0240, -2.2480

# Conversions

## Conversions Part 2

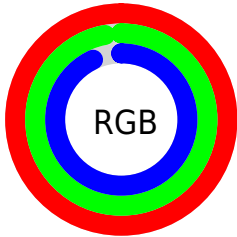
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	247, 255, 236
Decimal	16775404
CIE Lab	97.81, 0.29, 6.58
CIE LCh	98, 6.583, 87.474
Yxy	94.4509, 0.3244, 0.3407
Android (android.graphics.Color)	4294965484 (0xFFFFF8EC)
YUV	248.7250, -6.2734, 5.5032
Hunter-Lab	97.1859, -4.8981, 11.3895

# Details

The Yxy color 94.4509, 0.3244, 0.3407 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.1013, 0.3012, 0.3170, and the grayscale version is 94.5384, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.0003, 0.3268, 0.3439 is the 20% darker color. If you saturate the color by 10%, you get 87.4912, 0.3417, 0.3572, and if you desaturate by 10%, it is 99.9899, 0.3127, 0.3290.

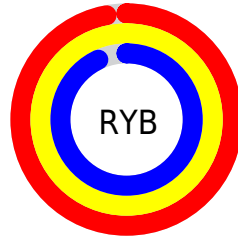
# Distribution



Red (100%)

Green (97%)

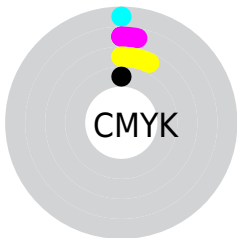
Blue (93%)



Red (97%)

Yellow (100%)

Blue (93%)

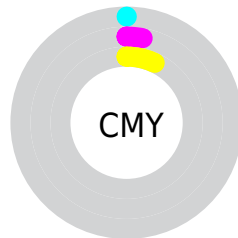


Cyan (0%)

Magenta (3%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (3%)


Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.4509, 0.3244, 0.3407 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 94.4509, 0.3244, 0.3407 by changing the saturation by 10% instead.



 94.4509, 0.3244,  
0.3407

 94.4509, 0.3244,  
0.3407


542.4056, 0.3192,  
0.3355

 71.6780, 0.3255,  
0.3418


153.5058, 0.3227,  
0.3390

 52.8957, 0.3269,  
0.3432


190.5566, 0.3220,  
0.3383

 37.7195, 0.3286,  
0.3449


233.1355, 0.3214,  
0.3377

 25.7651, 0.3307,  
0.3470

281.6270, 0.3208,  
0.3371

 16.6480, 0.3336,  
0.3498

336.4153, 0.3204,  
0.3367

 9.9838, 0.3374,  
0.3537

397.8849, 0.3199,

 5.3882, 0.3431,

0.3363

0.3593

466.4202, 0.3196,  
0.3359

■ 2.4768, 0.3520,  
0.3681

■ 0.8650, 0.3810,  
0.3975

■ 94.4509, 0.3244,  
0.3407

■ 94.4509, 0.3244,  
0.3407

■ 87.4912, 0.3417,  
0.3572

99.9899, 0.3127,  
0.3290

■ 81.0109, 0.3607,  
0.3741

■ 75.0004, 0.3813,  
0.3910

■ 69.4451, 0.4032,  
0.4072

■ 64.3293, 0.4256,  
0.4215

■ 59.6360, 0.4476,  
0.4329

■ 55.3463, 0.4682,  
0.4402

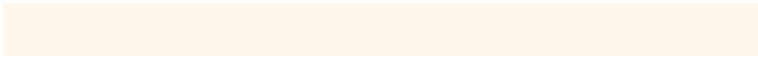
■ 51.4387, 0.4861,  
0.4424

■ 47.8866, 0.5006,  
0.4393

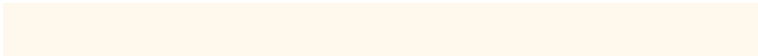
# Harmonies

## Analogous

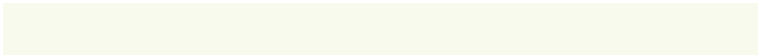
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.4509, 0.3270, 0.3367



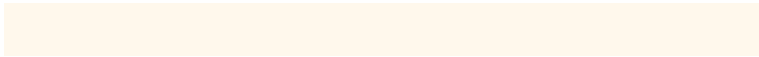
94.4509, 0.3244, 0.3407



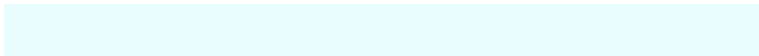
94.4509, 0.3187, 0.3416

# Triad

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



94.4509, 0.3244, 0.3407



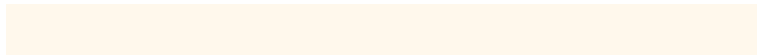
94.4509, 0.2999, 0.3271



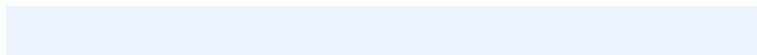
94.4509, 0.3139, 0.3193

# Complementary

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



94.4509, 0.3244, 0.3407



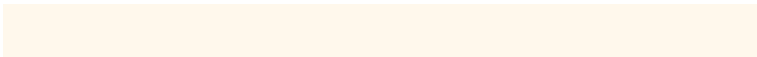
89.1013, 0.3012, 0.3170

# Split Complementary

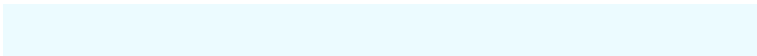
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.4509, 0.3067, 0.3167



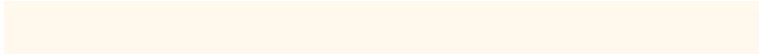
94.4509, 0.3244, 0.3407



94.4509, 0.2987, 0.3211

# Square

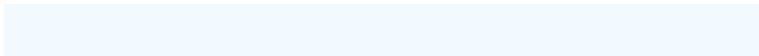
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



94.4509, 0.3244, 0.3407



94.4509, 0.3046, 0.3337



94.4509, 0.3011, 0.3174

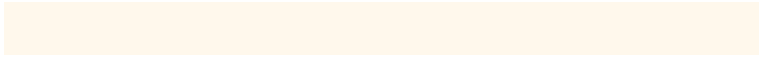


94.4509, 0.3209, 0.3244



# Rectangle

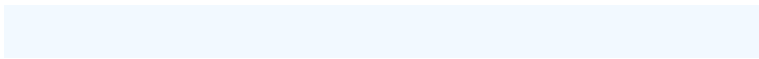
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94.4509, 0.3244, 0.3407



94.4509, 0.3139, 0.3403



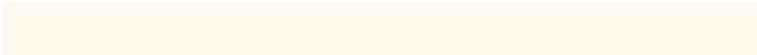
94.4509, 0.3011, 0.3174



94.4509, 0.3114, 0.3181

# Sweetspot

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



94.4550, 0.3244, 0.3407



98.4929, 0.3158, 0.3321



87.7059, 0.3211, 0.3223



21.0974, 0.3156, 0.3319



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

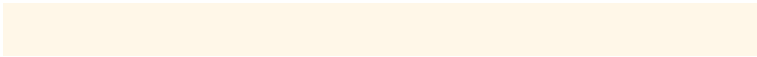


# Same Dimension

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



94.4550, 0.3244, 0.3407



93.3758, 0.3270, 0.3432



98.3159, 0.3222, 0.3474



19.9094, 0.3278, 0.3441



24.8766, 0.5022, 0.4394

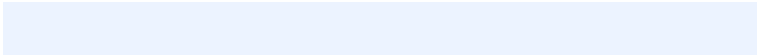


2.6305, 0.4903, 0.4489

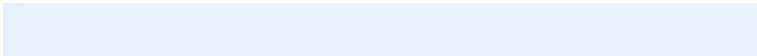


# Inverse Universe

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



89.1013, 0.3012, 0.3170



86.9603, 0.2987, 0.3144



85.4726, 0.3029, 0.3101



18.4642, 0.2979, 0.3135



8.1364, 0.1656, 0.1160

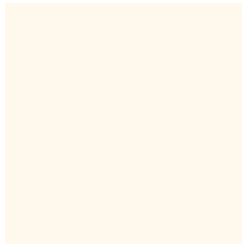


0.9917, 0.1718, 0.1385



# Previews

## White Background



This preview shows how the Yxy color 94.4509, 0.3244, 0.3407 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

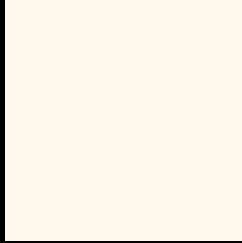
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.4509, 0.3244, 0.3407 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

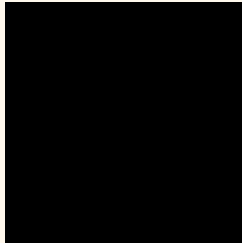
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 94.4509, 0.3244, 0.3407**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.4509, 0.3244, 0.3407.

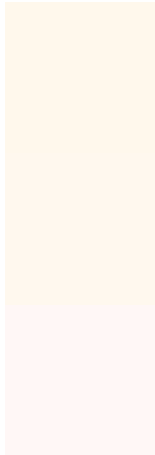


This preview shows how white text looks on a background with the Yxy color 94.4509, 0.3244, 0.3407.

# 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

94.4509, 0.3244, 0.3407

### Protanopia

94.5678, 0.3232, 0.3387

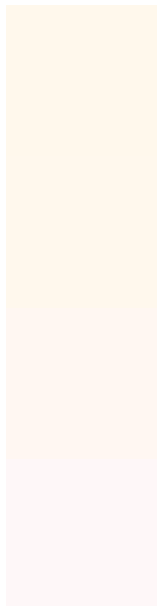
### Deuteranopia

94.4353, 0.3185, 0.3300

## Tritanopia

94.6242, 0.3118, 0.3213

# Trichromacy



## Original Color

94.4509, 0.3244, 0.3407

## Protanomaly

94.5092, 0.3238, 0.3397

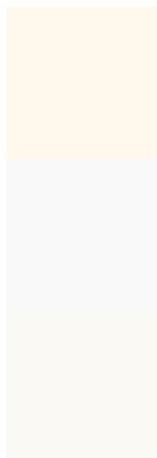
## Deuteranomaly

94.1923, 0.3209, 0.3339

## Tritanomaly

94.3697, 0.3166, 0.3280

# Monochromacy



## Original Color

94.4509, 0.3244, 0.3407

## Achromatopsia

94.7307, 0.3127, 0.3290

## Achromatomaly

94.7922, 0.3169, 0.3339

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.4509, 0.3244, 0.3407 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(255, 248, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 236)  
}
```

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(255, 248, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 94.4509, 0.3244, 0.3407 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(255, 248, 236) }
```

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

```
.border{ border-color:rgb(255, 248, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 248, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
236) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.4509, 0.3244, 0.3407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 236) }
```

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

```
.background{ background-color: rgb(255,  
248, 236) }
```

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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