

# Converting Colors

$Yxy(97.1764, 0.3312, 0.3641)$

Have a look what the booklet for  
Yxy(97.1764, 0.3312, 0.3641)  
contains.

<b>Yxy(97.1437, 0.3313, 0.3644)</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(97.1437, 0.3313, 0.3644)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBFFDB
RGB	251, 255, 219
RGB Percent	98%, 100%, 86%
CMY	0.0158, 0.0000, 0.1411
CMYK	0.02, 0.00, 0.14, 0.00
HSL	67°, 100%, 93%
HSV	67°, 14%, 100%
XYZ	88.3197, 97.1437, 81.1219
YIQ	249.7000, 9.1720, -12.0440

# Conversions

## Conversions Part 2

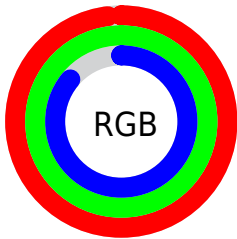
Format	Color
R <sub>Y</sub> B	219, 255, 223
Decimal	16515035
CIE Lab	98.88, -7.28, 16.77
CIE LCh	99, 18.279, 113.469
Yxy	97.1437, 0.3313, 0.3644
Android (android.graphics.Color)	4294705115 (0xFFFBFFDB)
YUV	249.7000, -15.1351, 1.1401
Hunter-Lab	98.5615, -12.5310, 20.1939

# Details

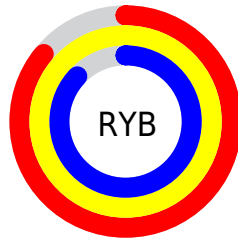
The Yxy color **97.1437, 0.3313, 0.3644** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **73.5873, 0.2926, 0.2916**, and the grayscale version is **95.4489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **54.5378, 0.3349, 0.3717** is the 20% darker color. If you saturate the color by 10%, you get **95.3670, 0.3446, 0.3904**, and if you desaturate by 10%, it is **99.1203, 0.3181, 0.3391**.

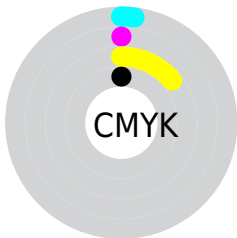
# Distribution



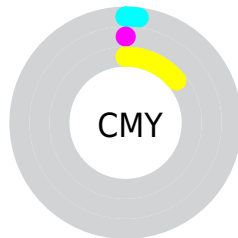
- Red (98%)
- Green (100%)
- Blue (86%)



- Red (86%)
- Yellow (100%)
- Blue (87%)



- Cyan (2%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)




- Cyan (2%)
- Magenta (0%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 97.1437, 0.3313, 0.3644 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 97.1437, 0.3313, 0.3644 by changing the saturation by 10% instead.



 97.1437, 0.3313,  
0.3644

 97.1437, 0.3313,  
0.3644

551.0053, 0.3233,  
0.3487

 73.9205, 0.3330,  
0.3679


157.2229, 0.3286,  
0.3591

 54.7289, 0.3351,  
0.3721

194.8477, 0.3275,  
0.3569

 39.1847, 0.3376,  
0.3773


238.0417, 0.3266,  
0.3551

 26.9035, 0.3407,  
0.3839

287.1895, 0.3258,  
0.3535

 17.5007, 0.3448,  
0.3926

342.6753, 0.3250,  
0.3521

 10.5922, 0.3501,  
0.4045

404.8836, 0.3244,

 5.7933, 0.3574,

0.3508

0.4218

474.1988, 0.3238,  
0.3497

■ 2.7198, 0.3677,  
0.4489

■ 0.9873, 0.4341,  
0.5659

■ 97.1437, 0.3313,  
0.3644

■ 97.1437, 0.3313,  
0.3644

■ 95.3670, 0.3446,  
0.3904

■ 99.1203, 0.3181,  
0.3391

■ 93.8016, 0.3576,  
0.4164

100.0000, 0.3127,  
0.3290

■ 92.4306, 0.3697,  
0.4414

■ 91.2430, 0.3804,  
0.4644

■ 90.2266, 0.3890,  
0.4843

■ 89.3678, 0.3952,  
0.5002

■ 88.6507, 0.3987,  
0.5117

■ 88.0561, 0.3997,  
0.5186

■ 87.7470, 0.3993,  
0.5211

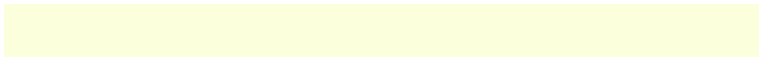
# Harmonies

## Analogous

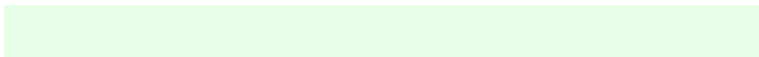
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.1437, 0.3464, 0.3599



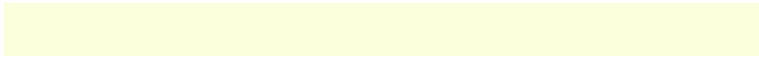
97.1437, 0.3313, 0.3644



97.1437, 0.3115, 0.3588

# Triad

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



97.1437, 0.3313, 0.3644



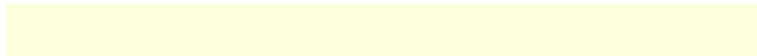
97.1437, 0.2746, 0.3088



97.1437, 0.3327, 0.3142

# Complementary

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



97.1437, 0.3313, 0.3644



73.5873, 0.2926, 0.2916

# 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.



97.1437, 0.3129, 0.3016



97.1437, 0.3313, 0.3644



97.1437, 0.2797, 0.2980

# Square

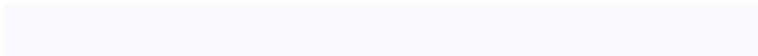
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



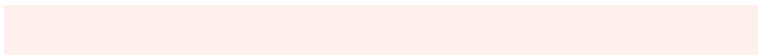
97.1437, 0.3313, 0.3644



97.1437, 0.2792, 0.3257



97.1437, 0.2936, 0.2956

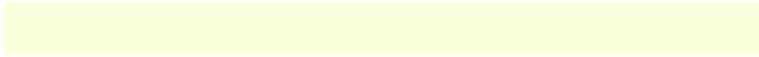


97.1437, 0.3474, 0.3307

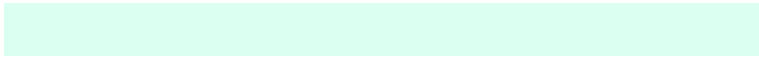


# Rectangle

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



97.1437, 0.3313, 0.3644



97.1437, 0.2985, 0.3498



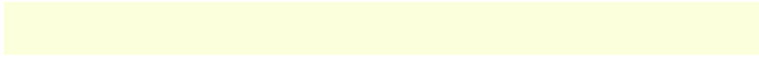
97.1437, 0.2936, 0.2956



97.1437, 0.3264, 0.3094

# Sweetspot

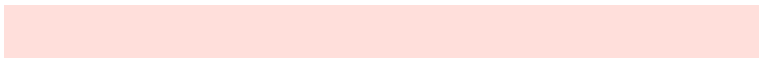
The Sweet Spot groups the original color and five complimentary colors.



97.1367, 0.3313, 0.3644



99.1437, 0.3179, 0.3388



78.9439, 0.3385, 0.3327



21.1872, 0.3189, 0.3407



0.0000, 0.0000, 0.0000

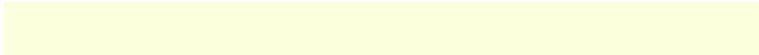


21.4041, 0.3127, 0.3290

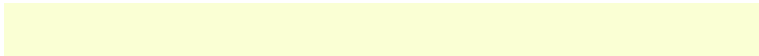


# Same Dimension

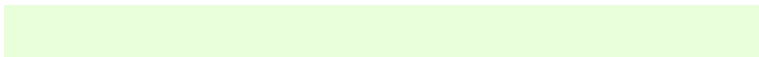
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97.1367, 0.3313, 0.3644



96.6041, 0.3352, 0.3719



94.0277, 0.3200, 0.3656



20.9811, 0.3252, 0.3526



45.8912, 0.3997, 0.5209



4.4965, 0.4020, 0.5190



# Inverse Universe

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



73.5873, 0.2926, 0.2916



68.8102, 0.2880, 0.2832



76.5219, 0.3044, 0.2929



17.4754, 0.2996, 0.3045



3.9373, 0.1539, 0.0621

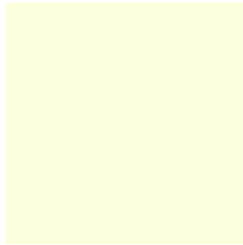


0.4135, 0.1610, 0.0660



# Previews

## White Background



This preview shows how the Yxy color 97.1437, 0.3313, 0.3644 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 97.1437, 0.3313, 0.3644 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

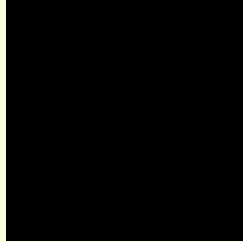
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 97.1437, 0.3313, 0.3644**

## **Background**



This preview shows how black text looks on a background with the Yxy color 97.1437, 0.3313, 0.3644.



This preview shows how white text looks on a background with the Yxy color 97.1437, 0.3313, 0.3644.

# 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

97.1437, 0.3313, 0.3644



### Protanopia

97.3519, 0.3199, 0.3377

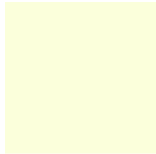
### Deuteranopia

97.0939, 0.3164, 0.3309

## **Tritanopia**

97.0970, 0.3116, 0.3252

# Trichromacy



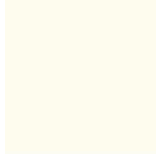
## Original Color

97.1437, 0.3313, 0.3644



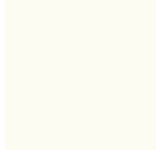
## Protanomaly

97.2619, 0.3245, 0.3474



## Deuteranomaly

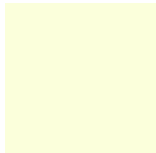
96.8647, 0.3222, 0.3426



## Tritanomaly

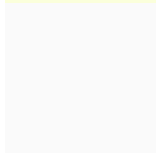
96.7271, 0.3186, 0.3387

# Monochromacy



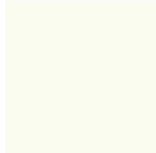
## Original Color

97.1437, 0.3313, 0.3644



## Achromatopsia

95.5973, 0.3127, 0.3290



## Achromatomaly

96.1768, 0.3191, 0.3417

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 97.1437, 0.3313, 0.3644 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(251, 255, 219)` looks like.

```
.text, #text, p{  
    color:rgb(251, 255, 219)  
}
```

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(251, 255, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 255, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 97.1437, 0.3313, 0.3644 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(251, 255, 219) }
```

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

```
.border{ border-color:rgb(251, 255, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 255, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 255, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 255, 219);  
box-shadow:4px 4px 4px 4px rgb(251, 255,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 97.1437, 0.3313, 0.3644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 255, 219) }
```

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

```
.background{ background-color: rgb(251,  
255, 219) }
```

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