

# Converting Colors

$Y_{xy}(110.5361, 0.3634, 0.3317)$

Have a look what the booklet for  
Yxy(110.5361, 0.3634, 0.3317)  
contains.

<b>Yxy(94.9874, 0.3190, 0.3319)</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(94.9874, 0.3190, 0.3319)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF8F5
RGB	255, 248, 245
RGB Percent	100%, 97%, 96%
CMY	0.0000, 0.0275, 0.0392
CMYK	0.00, 0.03, 0.04, 0.00
HSL	18°, 100%, 98%
HSV	18°, 4%, 100%
XYZ	91.2955, 94.9874, 99.9099
YIQ	249.7510, 5.1350, 0.5510

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 249, 245
Decimal	16775413
CIE Lab	98.03, 1.83, 2.25
CIE LCh	98, 2.903, 50.898
Yxy	94.9874, 0.3190, 0.3319
Android (android.graphics.Color)	4294965493 (0xFFFFF8F5)
YUV	249.7510, -2.3422, 4.6034
Hunter-Lab	97.4615, -3.3505, 7.4435

# Details

The Yxy color 94.9874, 0.3190, 0.3319 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96.2567, 0.3066, 0.3261, and the grayscale version is 95.3972, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.3792, 0.3199, 0.3327 is the 20% darker color. If you saturate the color by 10%, you get 83.0724, 0.3371, 0.3397, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

# Distribution



Red (100%)

Green (97%)

Blue (96%)



Red (100%)

Yellow (98%)

Blue (96%)



Cyan (0%)

Magenta (3%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (3%)


Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.9874, 0.3190, 0.3319 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 94.9874, 0.3190, 0.3319 by changing the saturation by 10% instead.




 94.9874, 0.3190,  
0.3319

 94.9874, 0.3190,  
0.3319


544.1246, 0.3162,  
0.3306

 72.1245, 0.3196,  
0.3322


154.2472, 0.3181,  
0.3315

 53.2604, 0.3203,  
0.3325


191.4129, 0.3177,  
0.3313

 38.0107, 0.3212,  
0.3329


234.1149, 0.3174,  
0.3312

 25.9910, 0.3224,  
0.3334

282.7377, 0.3171,  
0.3310

 16.8169, 0.3239,  
0.3341

337.6657, 0.3168,  
0.3309

 10.1040, 0.3260,  
0.3350

399.2833, 0.3166,

 5.4680, 0.3290,

0.3308

0.3364

467.9748, 0.3164,  
0.3307

■ 2.5244, 0.3339,  
0.3384

■ 0.8888, 0.3439,  
0.3432

■ 94.9874, 0.3190,  
0.3319

■ 94.9874, 0.3190,  
0.3319

■ 83.0724, 0.3371,  
0.3397

100.0000, 0.3127,  
0.3290

■ 72.3825, 0.3585,  
0.3479

■ 62.8774, 0.3839,  
0.3563

■ 54.5150, 0.4133,  
0.3644

■ 47.2506, 0.4468,  
0.3715

■ 41.0366, 0.4833,  
0.3765

■ 35.8216, 0.5209,  
0.3783

■ 31.5490, 0.5561,  
0.3757

■ 28.1557, 0.5854,  
0.3682

# Harmonies

## Analogous

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



94.9874, 0.3181, 0.3292



94.9874, 0.3190, 0.3319



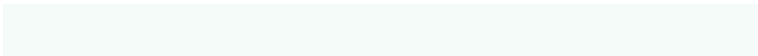
94.9874, 0.3182, 0.3339

# Triad

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



94.9874, 0.3190, 0.3319



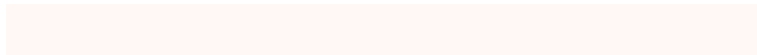
94.9874, 0.3097, 0.3317



94.9874, 0.3094, 0.3235

# Complementary

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



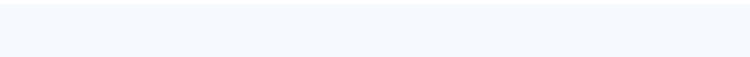
94.9874, 0.3190, 0.3319



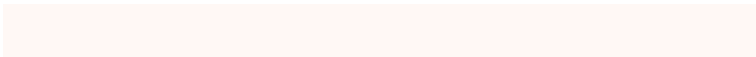
96.2567, 0.3066, 0.3261

# Split Complementary

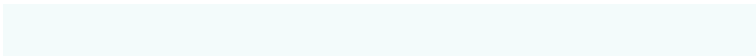
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.9874, 0.3072, 0.3242



94.9874, 0.3190, 0.3319



94.9874, 0.3074, 0.3288

# Square

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



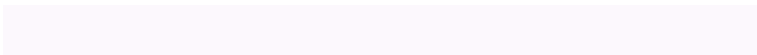
94.9874, 0.3190, 0.3319



94.9874, 0.3129, 0.3338



94.9874, 0.3065, 0.3261



94.9874, 0.3125, 0.3243



# Rectangle

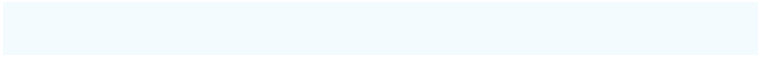
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94.9874, 0.3190, 0.3319



94.9874, 0.3169, 0.3345



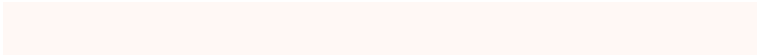
94.9874, 0.3065, 0.3261



94.9874, 0.3086, 0.3236

# Sweetspot

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



94.9867, 0.3190, 0.3319



98.7027, 0.3143, 0.3297



93.6056, 0.3149, 0.3221



21.1401, 0.3142, 0.3297



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

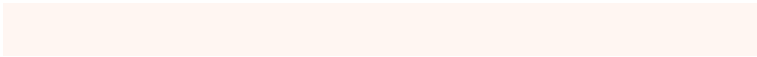


# Same Dimension

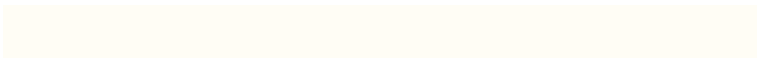
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.9867, 0.3190, 0.3319



93.6403, 0.3208, 0.3327



97.9986, 0.3187, 0.3365



19.8570, 0.3220, 0.3333



14.0655, 0.5967, 0.3644

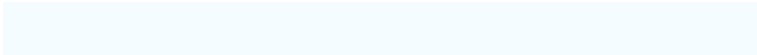


1.5508, 0.5746, 0.3820

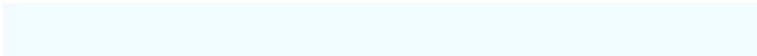


# Inverse Universe

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



96.2567, 0.3066, 0.3261



95.2481, 0.3050, 0.3253



93.2581, 0.3068, 0.3214



20.2476, 0.3039, 0.3247



20.8070, 0.1967, 0.2280

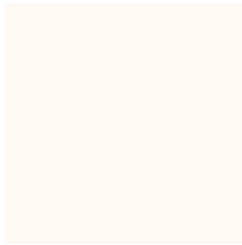


2.2173, 0.2003, 0.2409



# Previews

## White Background



This preview shows how the Yxy color 94.9874, 0.3190, 0.3319 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

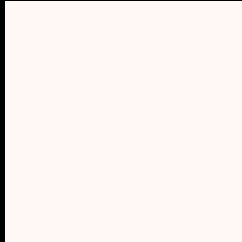
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.9874, 0.3190, 0.3319 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 94.9874, 0.3190, 0.3319**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.9874, 0.3190, 0.3319.



This preview shows how white text looks on a background with the Yxy color 94.9874, 0.3190, 0.3319.

# 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**

94.9874, 0.3190, 0.3319

**Protanopia**

94.9874, 0.3190, 0.3319

**Deuteranopia**

95.2344, 0.3166, 0.3281

## Tritanopia

95.2374, 0.3118, 0.3223

# Trichromacy



**Original Color**

94.9874, 0.3190, 0.3319

**Protanomaly**

94.9874, 0.3190, 0.3319

**Deuteranomaly**

95.1721, 0.3172, 0.3290

**Tritanomaly**

95.1707, 0.3148, 0.3261

# Monochromacy



**Original Color**

94.9874, 0.3190, 0.3319

**Achromatopsia**

95.5973, 0.3127, 0.3290

**Achromatomaly**

95.2241, 0.3152, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.9874, 0.3190, 0.3319 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, 245)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 245)  
}
```

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, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 94.9874, 0.3190, 0.3319 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, 245) }
```

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

```
.border{ border-color:rgb(255, 248, 245) }
```

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, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.9874, 0.3190, 0.3319 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, 245) }
```

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

```
.background{ background-color: rgb(255,  
248, 245) }
```

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