

# Converting Colors

$Y_{xy}(95.1236, 0.3145, 0.3226)$

Have a look what the booklet for  
Yxy(95.1236, 0.3145, 0.3226)  
contains.

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# Color

**Yxy(94.9373, 0.3137, 0.3223)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF7FE
RGB	255, 247, 254
RGB Percent	100%, 97%, 100%
CMY	0.0000, 0.0314, 0.0039
CMYK	0.00, 0.03, 0.00, 0.00
HSL	307°, 100%, 98%
HSV	307°, 3%, 100%
XYZ	92.4041, 94.9373, 107.2205
YIQ	250.1900, 2.5210, 3.8730

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 247, 254
Decimal	16775166
CIE <sub>Lab</sub>	98.01, 3.91, -2.41
CIE <sub>LCh</sub>	98, 4.590, 328.321
Yxy	94.9373, 0.3137, 0.3223
Android (android.graphics.Color)	4294965246 (0xFFFFF7FE)
YUV	250.1900, 1.8783, 4.2184
Hunter-Lab	97.4358, -1.2306, 2.9610

# Details

The Yxy color 94.9373, 0.3137, 0.3223 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 98.0690, 0.3118, 0.3358, and the grayscale version is 95.7403, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.2986, 0.3139, 0.3217 is the 20% darker color. If you saturate the color by 10%, you get 80.1861, 0.3170, 0.3004, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

# Distribution



- Red (100%)
- Green (97%)
- Blue (100%)



- Red (100%)
- Yellow (97%)
- Blue (100%)



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




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.9373, 0.3137, 0.3223 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 94.9373, 0.3137, 0.3223 by changing the saturation by 10% instead.



 94.9373, 0.3137,  
0.3223

 94.9373, 0.3137,  
0.3223


543.9642, 0.3133,  
0.3252

 72.0828, 0.3138,  
0.3217


154.1780, 0.3136,  
0.3233

 53.2263, 0.3139,  
0.3209


191.3329, 0.3135,  
0.3237

 37.9835, 0.3140,  
0.3199


234.0235, 0.3135,  
0.3240

 25.9699, 0.3142,  
0.3187

282.6341, 0.3134,  
0.3243

 16.8011, 0.3144,  
0.3171

337.5490, 0.3134,  
0.3246

 10.0928, 0.3147,  
0.3150

399.1528, 0.3133,

 5.4605, 0.3151,

0.3248

0.3119

467.8297, 0.3133,  
0.3251

■ 2.5199, 0.3158,  
0.3070

■ 0.8866, 0.3168,  
0.2983

■ 94.9373, 0.3137,  
0.3223

■ 94.9373, 0.3137,  
0.3223

■ 80.1861, 0.3170,  
0.3004

100.0000, 0.3127,  
0.3290

■ 67.4908, 0.3207,  
0.2780

■ 56.7537, 0.3248,  
0.2557

■ 47.8760, 0.3293,  
0.2343

■ 40.7503, 0.3341,  
0.2149

■ 35.2580, 0.3390,  
0.1985

■ 31.2662, 0.3439,  
0.1858

■ 28.6207, 0.3486,  
0.1776

■ 27.1344, 0.3530,  
0.1738

# Harmonies

## Analogous

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



94.9373, 0.3087, 0.3205



94.9373, 0.3137, 0.3223



94.9373, 0.3185, 0.3259

# Triad

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



94.9373, 0.3137, 0.3223



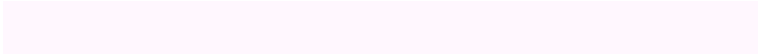
94.9373, 0.3208, 0.3372



94.9373, 0.3037, 0.3276

# Complementary

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



94.9373, 0.3137, 0.3223



98.0690, 0.3118, 0.3358

# Split Complementary

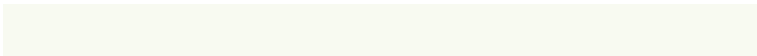
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.9373, 0.3069, 0.3321



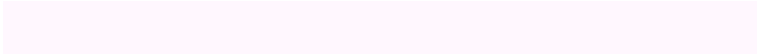
94.9373, 0.3137, 0.3223



94.9373, 0.3168, 0.3377

# Square

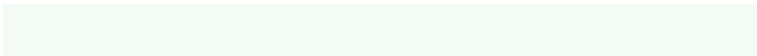
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



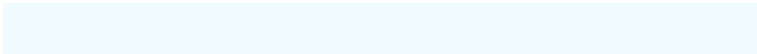
94.9373, 0.3137, 0.3223



94.9373, 0.3226, 0.3345



94.9373, 0.3117, 0.3359



94.9373, 0.3029, 0.3235



# Rectangle

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



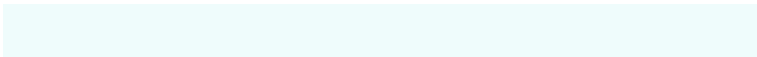
94.9373, 0.3137, 0.3223



94.9373, 0.3209, 0.3288



94.9373, 0.3117, 0.3359



94.9373, 0.3046, 0.3291

# Sweetspot

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



94.9314, 0.3137, 0.3223



98.3633, 0.3130, 0.3269



93.6783, 0.3086, 0.3212



21.0710, 0.3130, 0.3270



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

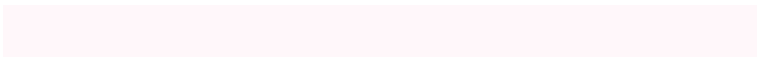
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.9314, 0.3137, 0.3223



93.5823, 0.3139, 0.3205



94.6815, 0.3160, 0.3261



19.7803, 0.3142, 0.3188



13.9142, 0.3552, 0.1730



1.3652, 0.3507, 0.1706



# Inverse Universe

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



94.9314, 0.3137, 0.3223



93.5823, 0.3139, 0.3205



98.3162, 0.3095, 0.3320



19.7803, 0.3142, 0.3188



13.9142, 0.3552, 0.1730



1.3652, 0.3507, 0.1706



# Previews

## White Background



This preview shows how the Yxy color 94.9373, 0.3137, 0.3223 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

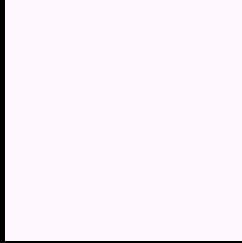
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.9373, 0.3137, 0.3223 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 94.9373, 0.3137, 0.3223**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.9373, 0.3137, 0.3223.



This preview shows how white text looks on a background with the Yxy color 94.9373, 0.3137, 0.3223.

# 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

94.9373, 0.3137, 0.3223

### Protanopia

95.0503, 0.3111, 0.3223

### Deuteranopia

94.7466, 0.3155, 0.3252

## **Tritanopia**

95.0503, 0.3111, 0.3223

# Trichromacy



**Original Color**

94.9373, 0.3137, 0.3223

**Protanomaly**

95.2374, 0.3118, 0.3223

**Deuteranomaly**

94.8098, 0.3149, 0.3242

**Tritanomaly**

95.2374, 0.3118, 0.3223

# Monochromacy



**Original Color**

94.9373, 0.3137, 0.3223

**Achromatopsia**

95.5973, 0.3127, 0.3290

**Achromatomaly**

95.4118, 0.3134, 0.3271

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.9373, 0.3137, 0.3223 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, 247, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 254)  
}
```

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, 247, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 94.9373, 0.3137, 0.3223 is called "border". The border property can be set on classes, ids or directly on the HTML element.

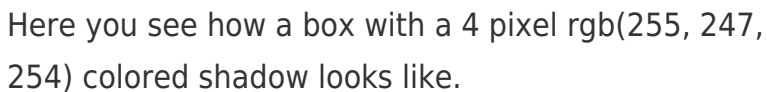
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 247, 254) }
```

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

```
.border{ border-color:rgb(255, 247, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 247, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 247, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 247, 254); box-shadow:4px 4px 4px 4px rgb(255, 247, 254) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.9373, 0.3137, 0.3223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 254) }
```

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

```
.background{ background-color: rgb(255,  
247, 254) }
```

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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