

# Converting Colors

$Y_{xy}(100.0000, 0.3343, 0.3237)$

Have a look what the booklet for  
Yxy(100.0000, 0.3343, 0.3237)  
contains.

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# Color

**Yxy(94.1998, 0.3149, 0.3233)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF6FC
RGB	255, 246, 252
RGB Percent	100%, 96%, 99%
CMY	0.0001, 0.0352, 0.0119
CMYK	0.00, 0.04, 0.01, 0.00
HSL	320°, 99%, 98%
HSV	320°, 4%, 100%
XYZ	91.7523, 94.1998, 105.4175
YIQ	249.3750, 3.4380, 3.7740

# Conversions

## Conversions Part 2

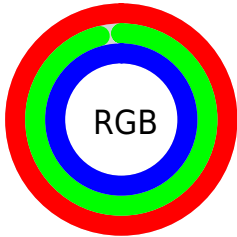
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 246, 252
Decimal	16774908
CIE Lab	97.71, 4.01, -1.80
CIE LCh	98, 4.400, 335.859
Yxy	94.1998, 0.3149, 0.3233
Android (android.graphics.Color)	4294964988 (0xFFFFF6FC)
YUV	249.3750, 1.2941, 4.9331
Hunter-Lab	97.0566, -1.1043, 3.5421

# Details

The Yxy color 94.1998, 0.3149, 0.3233 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97.9336, 0.3106, 0.3348, and the grayscale version is 95.0407, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 52.7728, 0.3155, 0.3229 is the 20% darker color. If you saturate the color by 10%, you get 79.2132, 0.3219, 0.3065, and if you desaturate by 10%, it is 99.9931, 0.3127, 0.3290.

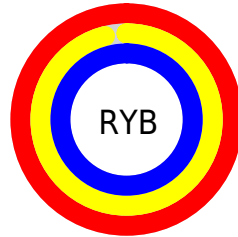
# Distribution



Red (100%)

Green (96%)

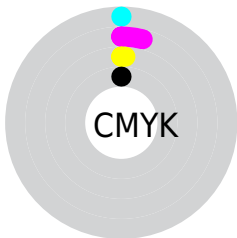
Blue (99%)



Red (100%)

Yellow (96%)

Blue (99%)

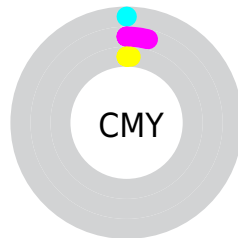


Cyan (0%)

Magenta (4%)

Yellow (1%)

Black (0%)



Cyan (0%)

Magenta (4%)


Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.1998, 0.3149, 0.3233 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 94.1998, 0.3149, 0.3233 by changing the saturation by 10% instead.




 94.1998, 0.3149,  
0.3233

 94.1998, 0.3149,  
0.3233


541.6000, 0.3139,  
0.3258

 71.4691, 0.3151,  
0.3228


153.1586, 0.3146,  
0.3241

 52.7251, 0.3154,  
0.3221


190.1556, 0.3145,  
0.3245

 37.5834, 0.3157,  
0.3213


232.6768, 0.3143,  
0.3248

 25.6595, 0.3161,  
0.3202

281.1066, 0.3142,  
0.3250

 16.5691, 0.3166,  
0.3189

335.8295, 0.3142,  
0.3253

 9.9277, 0.3173,  
0.3170

397.2297, 0.3141,

 5.3511, 0.3183,

0.3255

0.3143

465.6918, 0.3140,  
0.3257

■ 2.4547, 0.3199,  
0.3101

■ 0.8538, 0.3228,  
0.3024

■ 94.1998, 0.3149,  
0.3233

■ 94.1998, 0.3149,  
0.3233

■ 79.2132, 0.3219,  
0.3065

99.9931, 0.3127,  
0.3290

■ 66.2892, 0.3302,  
0.2890

■ 55.3396, 0.3399,  
0.2714

■ 46.2650, 0.3510,  
0.2543

■ 38.9572, 0.3635,  
0.2387

■ 33.2971, 0.3772,  
0.2256

■ 29.1506, 0.3917,  
0.2162

■ 26.3626, 0.4065,  
0.2115

■ 24.7440, 0.4211,  
0.2119

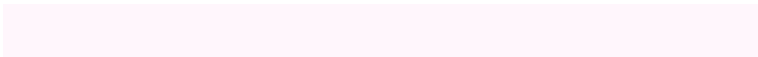
# Harmonies

## Analogous

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



94.1998, 0.3100, 0.3210



94.1998, 0.3149, 0.3233



94.1998, 0.3193, 0.3271

# Triad

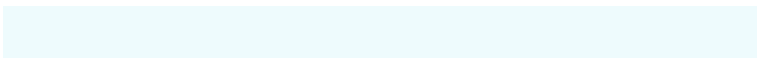
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



94.1998, 0.3149, 0.3233



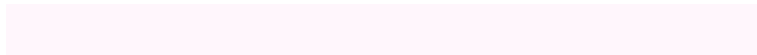
94.1998, 0.3196, 0.3372



94.1998, 0.3037, 0.3266

# Complementary

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



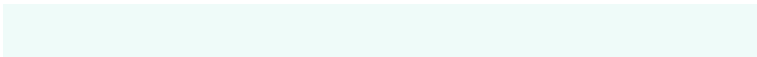
94.1998, 0.3149, 0.3233



97.9336, 0.3106, 0.3348

# 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.



94.1998, 0.3062, 0.3310



94.1998, 0.3149, 0.3233



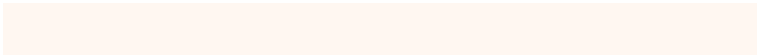
94.1998, 0.3154, 0.3371

# Square

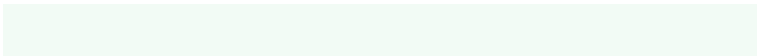
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



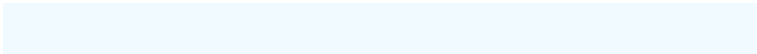
94.1998, 0.3149, 0.3233



94.1998, 0.3220, 0.3351



94.1998, 0.3105, 0.3348



94.1998, 0.3035, 0.3229

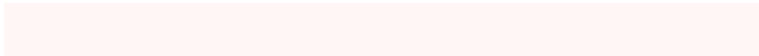


# Rectangle

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



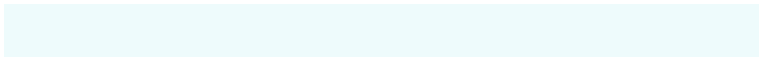
94.1998, 0.3149, 0.3233



94.1998, 0.3213, 0.3299



94.1998, 0.3105, 0.3348



94.1998, 0.3043, 0.3280

# Sweetspot

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



94.2039, 0.3149, 0.3233



98.3290, 0.3133, 0.3274



93.2820, 0.3093, 0.3203



21.0641, 0.3133, 0.3275



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.



94.2039, 0.3149, 0.3233



93.4461, 0.3152, 0.3225



93.9244, 0.3176, 0.3276



19.7457, 0.3157, 0.3213



12.6484, 0.4281, 0.2132



1.2519, 0.4127, 0.2047



# Inverse Universe

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



94.2039, 0.3149, 0.3233



93.4461, 0.3152, 0.3225



98.2153, 0.3081, 0.3304



19.7457, 0.3157, 0.3213



12.6484, 0.4281, 0.2132

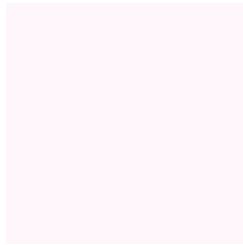


1.2519, 0.4127, 0.2047



# Previews

## White Background



This preview shows how the Yxy color 94.1998, 0.3149, 0.3233 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

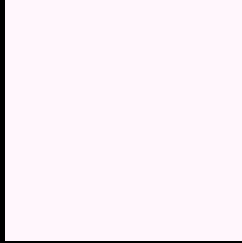
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.1998, 0.3149, 0.3233 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

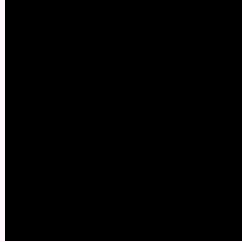
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 94.1998, 0.3149, 0.3233**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.1998, 0.3149, 0.3233.



This preview shows how white text looks on a background with the Yxy color 94.1998, 0.3149, 0.3233.

# 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**

94.1998, 0.3149, 0.3233

**Protanopia**

94.1226, 0.3117, 0.3232

**Deuteranopia**

94.0737, 0.3161, 0.3252

## Tritanopia

94.4370, 0.3112, 0.3213

# Trichromacy



**Original Color**

94.1998, 0.3149, 0.3233

**Protanomaly**

94.3088, 0.3124, 0.3232

**Deuteranomaly**

94.1366, 0.3155, 0.3242

**Tritanomaly**

94.5599, 0.3124, 0.3223

# Monochromacy



**Original Color**

94.1998, 0.3149, 0.3233



**Achromatopsia**

94.7307, 0.3127, 0.3290

**Achromatomaly**

94.5462, 0.3134, 0.3271

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.1998, 0.3149, 0.3233 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, 246, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 252)  
}
```

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, 246, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 94.1998, 0.3149, 0.3233 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, 246, 252) }
```

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

```
.border{ border-color:rgb(255, 246, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 246, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
252) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.1998, 0.3149, 0.3233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 252) }
```

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

```
.background{ background-color: rgb(255,  
246, 252) }
```

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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