

# Converting Colors

$Y_{xy}(100.0000, 0.2679, 0.2539)$

Have a look what the booklet for  
Yxy(100.0000, 0.2679, 0.2539)  
contains.

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# Color

**Yxy(93.8813, 0.3093, 0.3213)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9F7FF
RGB	249, 247, 255
RGB Percent	98%, 97%, 100%
CMY	0.0235, 0.0313, 0.0001
CMYK	0.02, 0.03, 0.00, 0.00
HSL	255°, 99%, 98%
HSV	255°, 3%, 100%
XYZ	90.3750, 93.8813, 107.9357
YIQ	248.5100, -1.3760, 2.9120

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	249, 247, 255
Decimal	16381951
CIE Lab	97.58, 2.08, -3.58
CIE LCh	98, 4.145, 300.164
Yxy	93.8813, 0.3093, 0.3213
Android (android.graphics.Color)	4294572031 (0xFF9F7FF)
YUV	248.5100, 3.1996, 0.4297
Hunter-Lab	96.8924, -3.0683, 1.7770

# Details

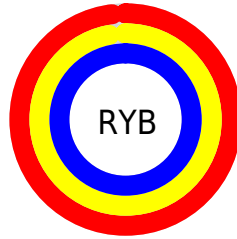
The Yxy color 93.8813, 0.3093, 0.3213 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 99.0907, 0.3161, 0.3366, and the grayscale version is 94.2847, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 52.6763, 0.3091, 0.3204 is the 20% darker color. If you saturate the color by 10%, you get 76.0111, 0.2972, 0.2948, and if you desaturate by 10%, it is 99.9978, 0.3127, 0.3290.

# Distribution



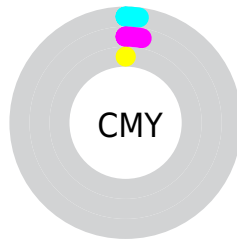
- Red (98%)
- Green (97%)
- Blue (100%)



- Red (98%)
- Yellow (97%)
- Blue (100%)



- Cyan (2%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (2%)
- Magenta (3%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.8813, 0.3093, 0.3213 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 93.8813, 0.3093, 0.3213 by changing the saturation by 10% instead.



 93.8813, 0.3093,  
0.3213

 93.8813, 0.3093,  
0.3213


540.5774, 0.3108,  
0.3247

 71.2042, 0.3090,  
0.3206


152.7182, 0.3098,  
0.3224

 52.5089, 0.3086,  
0.3197


189.6468, 0.3100,  
0.3229

 37.4109, 0.3081,  
0.3186

232.0946, 0.3102,  
0.3233

 25.5258, 0.3074,  
0.3172

280.4462, 0.3104,  
0.3236

 16.4692, 0.3066,  
0.3153

335.0859, 0.3105,  
0.3240

 9.8568, 0.3054,  
0.3128

396.3980, 0.3106,

 5.3041, 0.3037,

0.3242

0.3092

464.7671, 0.3107,  
0.3245

■ 2.4268, 0.3010,  
0.3034

■ 0.8396, 0.2960,  
0.2928

■ 93.8813, 0.3093,  
0.3213

■ 93.8813, 0.3093,  
0.3213

■ 76.0111, 0.2972,  
0.2948

99.9978, 0.3127,  
0.3290

■ 60.5288, 0.2834,  
0.2655

■ 47.3356, 0.2678,  
0.2339

■ 36.3210, 0.2507,  
0.2008

■ 27.3653, 0.2326,  
0.1677

■ 20.3370, 0.2143,  
0.1364

■ 15.0890, 0.1970,  
0.1090

■ 11.4522, 0.1818,  
0.0876

■ 9.2231, 0.1696,  
0.0733

# Harmonies

## Analogous

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



93.8813, 0.3056, 0.3215



93.8813, 0.3093, 0.3213



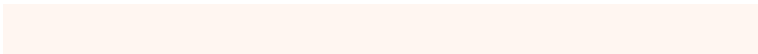
93.8813, 0.3139, 0.3231

# Triad

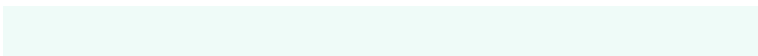
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.8813, 0.3093, 0.3213



93.8813, 0.3216, 0.3342



93.8813, 0.3073, 0.3316

# Complementary

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



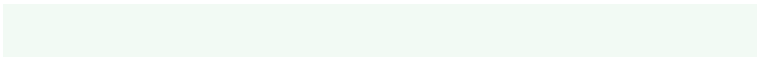
93.8813, 0.3093, 0.3213



99.0907, 0.3161, 0.3366

# 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.



93.8813, 0.3115, 0.3351



93.8813, 0.3093, 0.3213



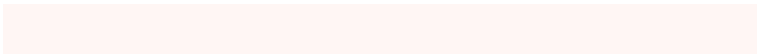
93.8813, 0.3198, 0.3365

# Square

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



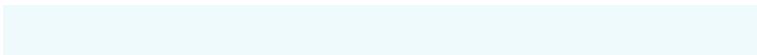
93.8813, 0.3093, 0.3213



93.8813, 0.3211, 0.3305



93.8813, 0.3161, 0.3369



93.8813, 0.3045, 0.3275

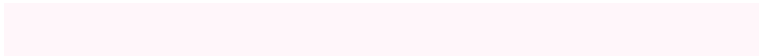


# Rectangle

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



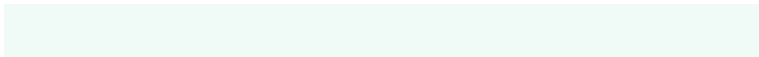
93.8813, 0.3093, 0.3213



93.8813, 0.3169, 0.3252



93.8813, 0.3161, 0.3369



93.8813, 0.3086, 0.3329

# Sweetspot

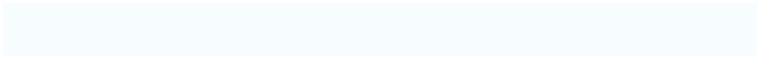
The Sweet Spot groups the original color and five complimentary colors.



93.8853, 0.3093, 0.3213



98.0235, 0.3116, 0.3266



97.2293, 0.3079, 0.3271



21.0019, 0.3117, 0.3267



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.



93.8853, 0.3093, 0.3213



92.2444, 0.3083, 0.3191



94.6223, 0.3118, 0.3214



19.4414, 0.3074, 0.3172



4.4030, 0.1645, 0.0680



0.4777, 0.1754, 0.0740



# Inverse Universe

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



94.8695, 0.3143, 0.3233



93.4998, 0.3147, 0.3217



98.3538, 0.3136, 0.3367



19.7594, 0.3151, 0.3203



13.0970, 0.3970, 0.1961

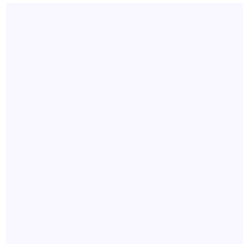


1.2927, 0.3864, 0.1902



# Previews

## White Background



This preview shows how the Yxy color 93.8813, 0.3093, 0.3213 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

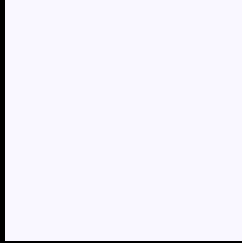
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.8813, 0.3093, 0.3213 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

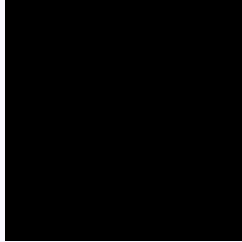
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

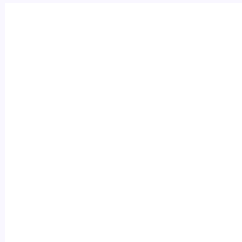
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 93.8813, 0.3093, 0.3213**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.8813, 0.3093, 0.3213.



This preview shows how white text looks on a background with the Yxy color 93.8813, 0.3093, 0.3213.

# 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**

93.8813, 0.3093, 0.3213

**Protanopia**

94.0655, 0.3099, 0.3213

**Deuteranopia**

94.1366, 0.3155, 0.3242

## Tritanopia

93.8813, 0.3093, 0.3213

# Trichromacy



**Original Color**

93.8813, 0.3093, 0.3213

**Protanomaly**

94.0655, 0.3099, 0.3213

**Deuteranomaly**

93.8225, 0.3136, 0.3232

**Tritanomaly**

93.8813, 0.3093, 0.3213

# Monochromacy



**Original Color**

93.8813, 0.3093, 0.3213

**Achromatopsia**

94.7307, 0.3127, 0.3290

**Achromatomaly**

94.2396, 0.3116, 0.3261

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.8813, 0.3093, 0.3213 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(249, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(249, 247, 255)  
}
```

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(249, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 247, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 93.8813, 0.3093, 0.3213 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(249, 247, 255) }
```

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

```
.border{ border-color:rgb(249, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(249, 247,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.8813, 0.3093, 0.3213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 247, 255) }
```

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

```
.background{ background-color: rgb(249,  
247, 255) }
```

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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