

# Converting Colors

$Y_{xy}(100.0000, 0.2736, 0.2617)$

Have a look what the booklet for  
Yxy(100.0000, 0.2736, 0.2617)  
contains.

<b>Yxy(94.8640, 0.3105, 0.3223)</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(94.8640, 0.3105, 0.3223)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBF8FF
RGB	251, 248, 255
RGB Percent	98%, 97%, 100%
CMY	0.0158, 0.0274, 0.0001
CMYK	0.02, 0.03, 0.00, 0.00
HSL	266°, 99%, 99%
HSV	266°, 3%, 100%
XYZ	91.3909, 94.8640, 108.0796
YIQ	249.6950, -0.4590, 2.8130

# Conversions

## Conversions Part 2

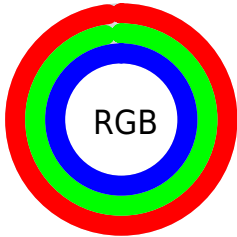
Format	Color
R <sub>Y</sub> B	251, 248, 255
Decimal	16513279
CIE Lab	97.98, 2.22, -2.99
CIE LCh	98, 3.723, 306.529
Yxy	94.8640, 0.3105, 0.3223
Android (android.graphics.Color)	4294703359 (0xFFFBF8FF)
YUV	249.6950, 2.6154, 1.1445
Hunter-Lab	97.3982, -2.9562, 2.3865

# Details

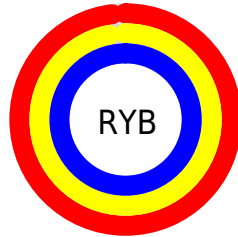
The Yxy color 94.8640, 0.3105, 0.3223 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 98.9813, 0.3149, 0.3357, and the grayscale version is 95.3106, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.3786, 0.3106, 0.3217 is the 20% darker color. If you saturate the color by 10%, you get 77.6251, 0.3015, 0.2962, and if you desaturate by 10%, it is 99.9984, 0.3127, 0.3290.

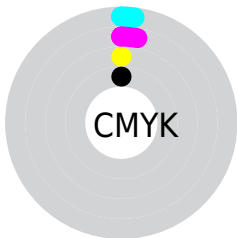
# Distribution



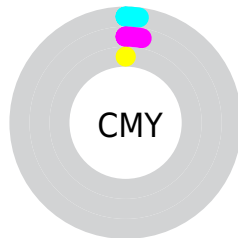
- Red (98%)
- Green (97%)
- Blue (100%)



- 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 94.8640, 0.3105, 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 94.8640, 0.3105, 0.3223 by changing the saturation by 10% instead.



 94.8640, 0.3105,  
0.3223

 94.8640, 0.3105,  
0.3223

543.7295, 0.3115,  
0.3253

 72.0218, 0.3103,  
0.3217


154.0767, 0.3108,  
0.3233

 53.1765, 0.3100,  
0.3209

191.2160, 0.3110,  
0.3237

 37.9437, 0.3097,  
0.3199


233.8897, 0.3111,  
0.3240

 25.9390, 0.3093,  
0.3187

282.4824, 0.3112,  
0.3243

 16.7780, 0.3087,  
0.3171

337.3783, 0.3113,  
0.3246

 10.0763, 0.3080,  
0.3149

398.9618, 0.3114,

 5.4496, 0.3069,

0.3248

0.3118

467.6174, 0.3114,  
0.3251

■ 2.5134, 0.3051,  
0.3069

■ 0.8833, 0.3019,  
0.2980

■ 94.8640, 0.3105,  
0.3223

■ 94.8640, 0.3105,  
0.3223

■ 77.6251, 0.3015,  
0.2962

99.9984, 0.3127,  
0.3290

■ 62.6379, 0.2911,  
0.2679

■ 49.8101, 0.2791,  
0.2379

■ 39.0380, 0.2658,  
0.2069

■ 30.2093, 0.2515,  
0.1762

■ 23.2007, 0.2365,  
0.1473

■ 17.8739, 0.2215,  
0.1218

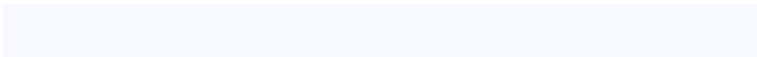
■ 14.0700, 0.2074,  
0.1015

■ 11.5973, 0.1947,  
0.0872

# Harmonies

## Analogous

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



94.8640, 0.3070, 0.3221



94.8640, 0.3105, 0.3223



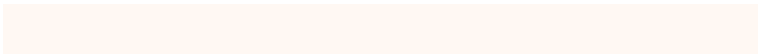
94.8640, 0.3147, 0.3242

# Triad

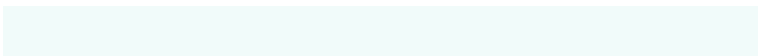
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



94.8640, 0.3105, 0.3223



94.8640, 0.3205, 0.3342



94.8640, 0.3072, 0.3306

# Complementary

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



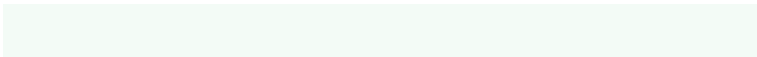
94.8640, 0.3105, 0.3223



98.9813, 0.3149, 0.3357

# 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.



94.8640, 0.3108, 0.3339



94.8640, 0.3105, 0.3223



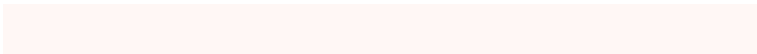
94.8640, 0.3185, 0.3360

# Square

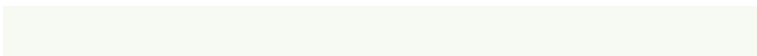
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



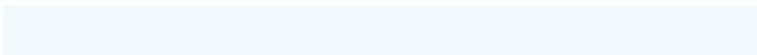
94.8640, 0.3105, 0.3223



94.8640, 0.3205, 0.3311



94.8640, 0.3149, 0.3358

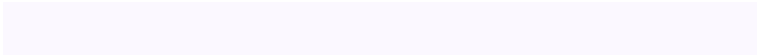


94.8640, 0.3050, 0.3269



# Rectangle

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



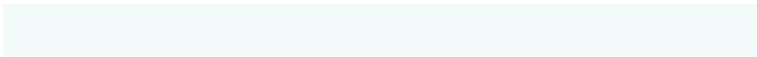
94.8640, 0.3105, 0.3223



94.8640, 0.3172, 0.3263



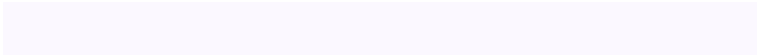
94.8640, 0.3149, 0.3358



94.8640, 0.3082, 0.3318

# Sweetspot

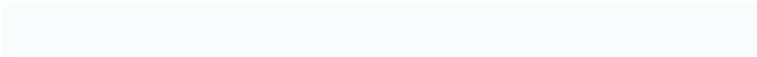
The Sweet Spot groups the original color and five complimentary colors.



94.8681, 0.3105, 0.3223



98.1069, 0.3119, 0.3266



96.8464, 0.3085, 0.3262



21.0189, 0.3120, 0.3267



0.0000, 0.0000, 0.0000

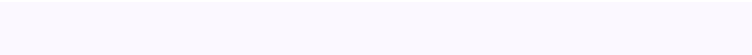


21.4041, 0.3127, 0.3290



# Same Dimension

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



94.8681, 0.3105, 0.3223



94.3915, 0.3103, 0.3216



95.5089, 0.3127, 0.3224



19.8905, 0.3096, 0.3196



5.5369, 0.1884, 0.0812



0.6019, 0.2010, 0.0881



# Inverse Universe

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



95.4295, 0.3148, 0.3252



95.0080, 0.3150, 0.3248



98.3485, 0.3128, 0.3357



20.0572, 0.3156, 0.3237



12.2327, 0.4649, 0.2335

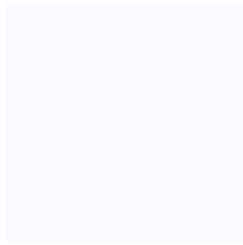


1.2129, 0.4439, 0.2219



# Previews

## White Background



This preview shows how the Yxy color 94.8640, 0.3105, 0.3223 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

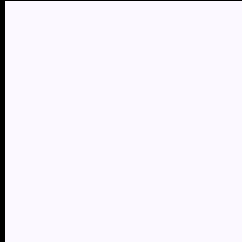
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.8640, 0.3105, 0.3223 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

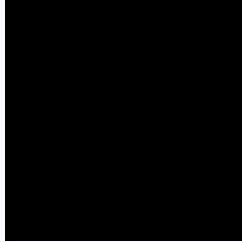
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 94.8640, 0.3105, 0.3223**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.8640, 0.3105, 0.3223.



This preview shows how white text looks on a background with the Yxy color 94.8640, 0.3105, 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

94.8640, 0.3105, 0.3223

### Protanopia

95.0503, 0.3111, 0.3223

### Deuteranopia

94.7466, 0.3155, 0.3252

## Tritanopia

94.6788, 0.3099, 0.3223

# Trichromacy

## Original Color

94.8640, 0.3105, 0.3223

## Protanomaly

95.0503, 0.3111, 0.3223

## Deuteranomaly

94.6206, 0.3142, 0.3242

## Tritanomaly

94.6788, 0.3099, 0.3223

# Monochromacy

## Original Color

94.8640, 0.3105, 0.3223

## Achromatopsia

95.5973, 0.3127, 0.3290

## Achromatomaly

95.1036, 0.3116, 0.3261

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.8640, 0.3105, 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(251, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(251, 248, 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(251, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 248, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 94.8640, 0.3105, 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(251, 248, 255) }
```

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

```
.border{ border-color:rgb(251, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(251, 248,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.8640, 0.3105, 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(251, 248, 255) }
```

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

```
.background{ background-color: rgb(251,  
248, 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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