

# Converting Colors

$Y_{xy}(100.0000, 0.2723, 0.2621)$

Have a look what the booklet for  
Yxy(100.0000, 0.2723, 0.2621)  
contains.

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# Color

**Yxy(94.4945, 0.3092, 0.3222)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9F8FF
RGB	249, 248, 255
RGB Percent	98%, 97%, 100%
CMY	0.0236, 0.0274, 0.0000
CMYK	0.02, 0.03, 0.00, 0.00
HSL	248°, 100%, 99%
HSV	248°, 3%, 100%
XYZ	90.6819, 94.4945, 108.1026
YIQ	249.0970, -1.6510, 2.3890

# Conversions

## Conversions Part 2

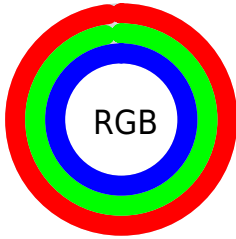
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	249, 248, 255
Decimal	16382207
CIE <sub>Lab</sub>	97.83, 1.57, -3.26
CIE <sub>LCh</sub>	98, 3.621, 295.780
Y <sub>xy</sub>	94.4945, 0.3092, 0.3222
Android (android.graphics.Color)	4294572287 (0xFFFF9F8FF)
Y <sub>UV</sub>	249.0970, 2.9102, -0.0851
Hunter-Lab	97.2083, -3.5987, 2.1110

# Details

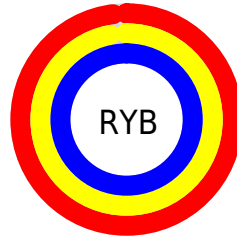
The Yxy color 94.4945, 0.3092, 0.3222 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 99.3759, 0.3162, 0.3357, and the grayscale version is 94.7892, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.1139, 0.3090, 0.3216 is the 20% darker color. If you saturate the color by 10%, you get 76.0620, 0.2953, 0.2956, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

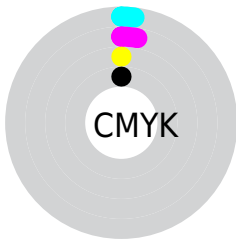
# Distribution



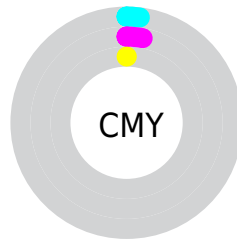
- Red (98%)
- Green (97%)
- Blue (100%)



- 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 94.4945, 0.3092, 0.3222 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 94.4945, 0.3092, 0.3222 by changing the saturation by 10% instead.




 94.4945, 0.3092,  
0.3222

 94.4945, 0.3092,  
0.3222

542.5454, 0.3108,  
0.3252

 71.7143, 0.3089,  
0.3215

153.5661, 0.3097,  
0.3232

 52.9253, 0.3084,  
0.3208


190.6262, 0.3099,  
0.3236

 37.7432, 0.3079,  
0.3198


233.2152, 0.3101,  
0.3240

 25.7834, 0.3073,  
0.3185

281.7173, 0.3103,  
0.3243

 16.6617, 0.3064,  
0.3169

336.5170, 0.3104,  
0.3245

 9.9936, 0.3052,  
0.3147

397.9986, 0.3105,

 5.3947, 0.3035,

0.3248

0.3115

466.5466, 0.3107,  
0.3250

■ 2.4807, 0.3008,  
0.3064

■ 0.8669, 0.2957,  
0.2972

■ 94.4945, 0.3092,  
0.3222

■ 94.4945, 0.3092,  
0.3222

■ 76.0620, 0.2953,  
0.2956

100.0000, 0.3127,  
0.3290

■ 60.1352, 0.2794,  
0.2658

■ 46.6065, 0.2616,  
0.2334

■ 35.3593, 0.2424,  
0.1991

■ 26.2669, 0.2224,  
0.1646

■ 19.1904, 0.2027,  
0.1320

■ 13.9744, 0.1848,  
0.1036

■ 10.4406, 0.1701,  
0.0818

■ 8.3748, 0.1594,  
0.0680

# Harmonies

## Analogous

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



94.4945, 0.3062, 0.3227



94.4945, 0.3092, 0.3222



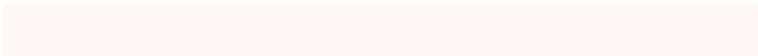
94.4945, 0.3132, 0.3235

# Triad

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



94.4945, 0.3092, 0.3222



94.4945, 0.3206, 0.3331



94.4945, 0.3084, 0.3318

# Complementary

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



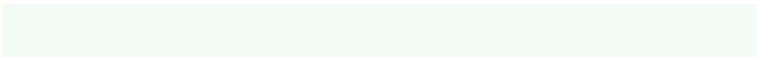
94.4945, 0.3092, 0.3222



99.3759, 0.3162, 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.



94.4945, 0.3123, 0.3346



94.4945, 0.3092, 0.3222



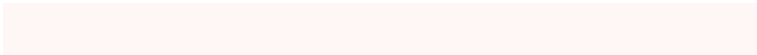
94.4945, 0.3193, 0.3354

# Square

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



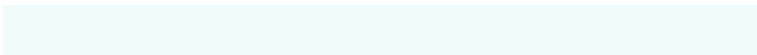
94.4945, 0.3092, 0.3222



94.4945, 0.3197, 0.3298



94.4945, 0.3162, 0.3359



94.4945, 0.3058, 0.3282

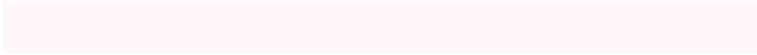


# Rectangle

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



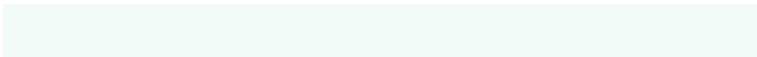
94.4945, 0.3092, 0.3222



94.4945, 0.3158, 0.3252



94.4945, 0.3162, 0.3359



94.4945, 0.3096, 0.3329

# Sweetspot

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



94.4958, 0.3092, 0.3222



97.9691, 0.3115, 0.3266



98.1051, 0.3084, 0.3281



20.9908, 0.3115, 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.



94.4958, 0.3092, 0.3222



93.9860, 0.3089, 0.3216



95.1382, 0.3114, 0.3223



19.7814, 0.3078, 0.3196



3.9965, 0.1552, 0.0629



0.4239, 0.1634, 0.0674



# Inverse Universe

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



95.5593, 0.3136, 0.3232



95.1482, 0.3137, 0.3227



98.7280, 0.3140, 0.3357



20.0951, 0.3139, 0.3210



13.8227, 0.3591, 0.1752

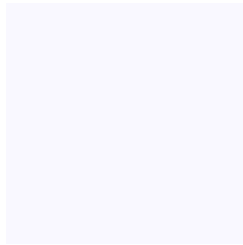


1.3572, 0.3541, 0.1724



# Previews

## White Background



This preview shows how the Yxy color 94.4945, 0.3092, 0.3222 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

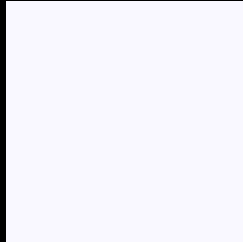
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.4945, 0.3092, 0.3222 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

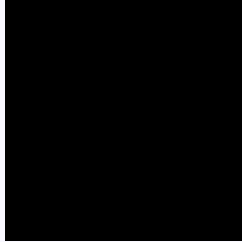
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

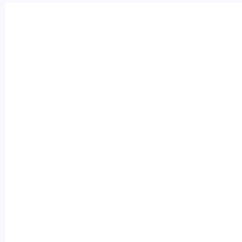
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 94.4945, 0.3092, 0.3222**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.4945, 0.3092, 0.3222.



This preview shows how white text looks on a background with the Yxy color 94.4945, 0.3092, 0.3222.

# 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**

94.4945, 0.3092, 0.3222

**Protanopia**

94.2508, 0.3105, 0.3213

**Deuteranopia**

94.1366, 0.3155, 0.3242

## **Tritanopia**

94.4945, 0.3092, 0.3222

# Trichromacy



**Original Color**

94.4945, 0.3092, 0.3222

**Protanomaly**

94.0655, 0.3099, 0.3213

**Deuteranomaly**

94.4325, 0.3136, 0.3242

**Tritanomaly**

94.4945, 0.3092, 0.3222

# Monochromacy



**Original Color**

94.4945, 0.3092, 0.3222

**Achromatopsia**

94.7307, 0.3127, 0.3290

**Achromatomaly**

94.8561, 0.3115, 0.3271

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.4945, 0.3092, 0.3222 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, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(249, 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(249, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 248, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 94.4945, 0.3092, 0.3222 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, 248, 255) }
```

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

```
.border{ border-color:rgb(249, 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(249, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(249, 248,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.4945, 0.3092, 0.3222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 248, 255) }
```

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

```
.background{ background-color: rgb(249,  
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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