

# Converting Colors

$Y_{xy}(100.0000, 0.3299, 0.3254)$

Have a look what the booklet for  
Yxy(100.0000, 0.3299, 0.3254)  
contains.

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# **Color**

**Yxy(95.4231, 0.3148, 0.3252)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF8FC
RGB	255, 248, 252
RGB Percent	100%, 97%, 99%
CMY	0.0001, 0.0274, 0.0118
CMYK	0.00, 0.03, 0.01, 0.00
HSL	326°, 100%, 99%
HSV	326°, 3%, 100%
XYZ	92.3714, 95.4231, 105.6344
YIQ	250.5490, 2.8880, 2.7280

# Conversions

## Conversions Part 2

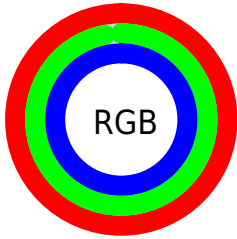
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 248, 252
Decimal	16775420
CIE Lab	98.20, 3.01, -1.09
CIE LCh	98, 3.202, 340.103
Yxy	95.4231, 0.3148, 0.3252
Android (android.graphics.Color)	4294965500 (0xFFFFF8FC)
YUV	250.5490, 0.7153, 3.9035
Hunter-Lab	97.6847, -2.1574, 4.2642

# Details

The Yxy color 95.4231, 0.3148, 0.3252 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 98.4338, 0.3107, 0.3328, and the grayscale version is 96.0685, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.6452, 0.3153, 0.3254 is the 20% darker color. If you saturate the color by 10%, you get 80.1261, 0.3234, 0.3108, and if you desaturate by 10%, it is 99.9968, 0.3127, 0.3290.

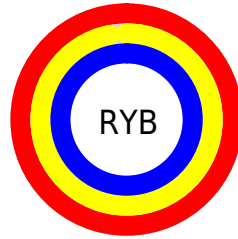
# Distribution



Red (100%)

Green (97%)

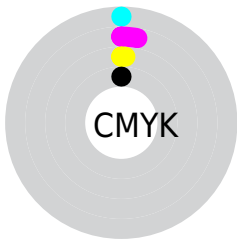
Blue (99%)



Red (100%)

Yellow (97%)

Blue (99%)

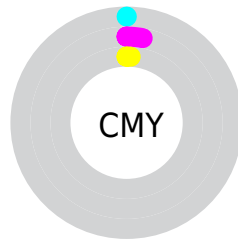


Cyan (0%)

Magenta (3%)

Yellow (1%)

Black (0%)



Cyan (0%)

Magenta (3%)


Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 95.4231, 0.3148, 0.3252 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 95.4231, 0.3148, 0.3252 by changing the saturation by 10% instead.




 95.4231, 0.3148,  
0.3252

 95.4231, 0.3148,  
0.3252


545.5186, 0.3139,  
0.3269

 72.4872, 0.3150,  
0.3248

154.8490, 0.3145,  
0.3258

 53.5567, 0.3152,  
0.3244

192.1078, 0.3144,  
0.3260

 38.2474, 0.3155,  
0.3238


234.9096, 0.3143,  
0.3262

 26.1748, 0.3159,  
0.3232

283.6389, 0.3142,  
0.3264

 16.9544, 0.3164,  
0.3223

338.6800, 0.3141,  
0.3265

 10.2020, 0.3171,  
0.3210

400.4175, 0.3140,

 5.5331, 0.3180,

0.3266

0.3192

469.2355, 0.3139,  
0.3268

■ 2.5633, 0.3196,  
0.3164

■ 0.9083, 0.3223,  
0.3114

■ 95.4231, 0.3148,  
0.3252

■ 95.4231, 0.3148,  
0.3252

■ 80.1261, 0.3234,  
0.3108

99.9968, 0.3127,  
0.3290

■ 66.9143, 0.3337,  
0.2957

■ 55.6996, 0.3459,  
0.2804

■ 46.3829, 0.3601,  
0.2655

■ 38.8563, 0.3765,  
0.2517

■ 33.0014, 0.3948,  
0.2403

■ 28.6848, 0.4146,  
0.2325

■ 25.7529, 0.4352,  
0.2293

■ 24.0194, 0.4555,  
0.2316

# Harmonies

## Analogous

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



95.4231, 0.3112, 0.3234



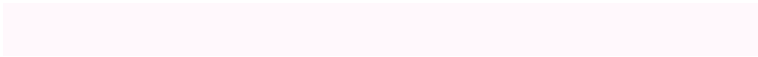
95.4231, 0.3148, 0.3252



95.4231, 0.3178, 0.3280

# Triad

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



95.4231, 0.3148, 0.3252



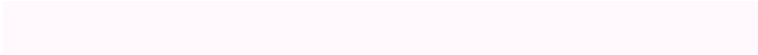
95.4231, 0.3174, 0.3351



95.4231, 0.3060, 0.3268

# Complementary

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



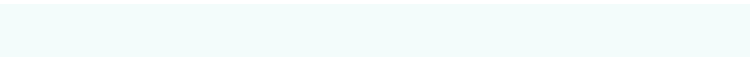
95.4231, 0.3148, 0.3252



98.4338, 0.3107, 0.3328

# 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.



95.4231, 0.3076, 0.3300



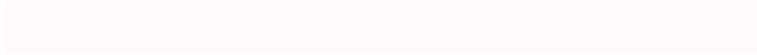
95.4231, 0.3148, 0.3252



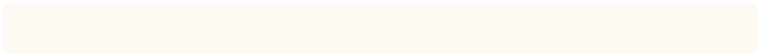
95.4231, 0.3142, 0.3348

# Square

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



95.4231, 0.3148, 0.3252



95.4231, 0.3193, 0.3337



95.4231, 0.3106, 0.3329



95.4231, 0.3062, 0.3243



# Rectangle

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



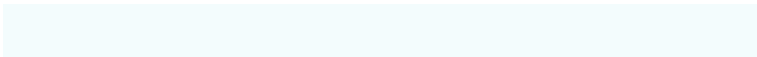
95.4231, 0.3148, 0.3252



95.4231, 0.3191, 0.3301



95.4231, 0.3106, 0.3329



95.4231, 0.3064, 0.3278

# Sweetspot

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



95.4272, 0.3148, 0.3252



98.3134, 0.3135, 0.3276



94.8556, 0.3105, 0.3223



21.0609, 0.3134, 0.3277



0.0000, 0.0000, 0.0000

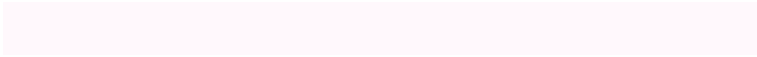


21.4041, 0.3127, 0.3290



# Same Dimension

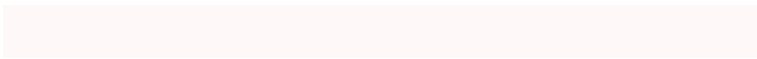
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95.4272, 0.3148, 0.3252



95.0059, 0.3150, 0.3248



95.2139, 0.3168, 0.3285



20.0566, 0.3156, 0.3237



12.2146, 0.4667, 0.2345



1.2112, 0.4455, 0.2228



# Inverse Universe

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



95.4272, 0.3148, 0.3252



95.0059, 0.3150, 0.3248



98.6498, 0.3088, 0.3295



20.0566, 0.3156, 0.3237



12.2146, 0.4667, 0.2345



1.2112, 0.4455, 0.2228



# Previews

## White Background



This preview shows how the Yxy color 95.4231, 0.3148, 0.3252 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

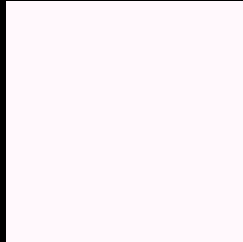
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 95.4231, 0.3148, 0.3252 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

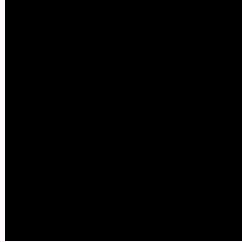
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 95.4231, 0.3148, 0.3252**

## **Background**



This preview shows how black text looks on a background with the Yxy color 95.4231, 0.3148, 0.3252.



This preview shows how white text looks on a background with the Yxy color 95.4231, 0.3148, 0.3252.

# 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

95.4231, 0.3148, 0.3252

### Protanopia

95.6623, 0.3135, 0.3261

### Deuteranopia

95.3598, 0.3154, 0.3261

## Tritanopia

95.6668, 0.3111, 0.3232

# Trichromacy



**Original Color**

95.4231, 0.3148, 0.3252

**Protanomaly**

95.8505, 0.3141, 0.3261

**Deuteranomaly**

95.3598, 0.3154, 0.3261

**Tritanomaly**

95.7898, 0.3123, 0.3242

# Monochromacy



**Original Color**

95.4231, 0.3148, 0.3252



**Achromatopsia**

96.4686, 0.3127, 0.3290

**Achromatomaly**

96.0317, 0.3134, 0.3280

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 95.4231, 0.3148, 0.3252 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, 248, 252) looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 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, 248, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 95.4231, 0.3148, 0.3252 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, 248, 252) }
```

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

```
.border{ border-color:rgb(255, 248, 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, 248, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
252) }
```



# Background

The CSS property to change the background color of an element to Yxy 95.4231, 0.3148, 0.3252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 252) }
```

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

```
.background{ background-color: rgb(255,  
248, 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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