

# Converting Colors

$Y_{xy}(99.7322, 0.2634, 0.2426)$

Have a look what the booklet for  
Yxy(99.7322, 0.2634, 0.2426)  
contains.

<b>Yxy(92.4306, 0.3106, 0.3184)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(92.4306, 0.3106, 0.3184)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBF4FF
RGB	251, 244, 255
RGB Percent	98%, 96%, 100%
CMY	0.0160, 0.0430, 0.0000
CMYK	0.02, 0.04, 0.00, 0.00
HSL	278°, 100%, 98%
HSV	278°, 4%, 100%
XYZ	90.1663, 92.4306, 107.7002
YIQ	247.3470, 0.6410, 4.9050

# Conversions

## Conversions Part 2

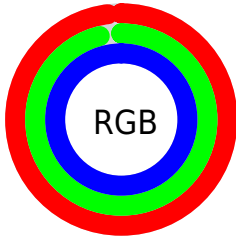
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	251, 244, 255
Decimal	16512255
CIE Lab	97.00, 4.24, -4.45
CIE LCh	97, 6.147, 313.592
Yxy	92.4306, 0.3106, 0.3184
Android (android.graphics.Color)	4294702335 (0xFFFBF4FF)
YUV	247.3470, 3.7729, 3.2037
Hunter-Lab	96.1408, -0.8391, 0.8799

# Details

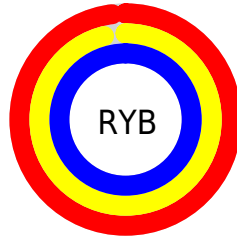
The Yxy color 92.4306, 0.3106, 0.3184 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 98.0271, 0.3147, 0.3397, and the grayscale version is 93.2725, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 51.5130, 0.3100, 0.3167 is the 20% darker color. If you saturate the color by 10%, you get 76.4216, 0.3050, 0.2925, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

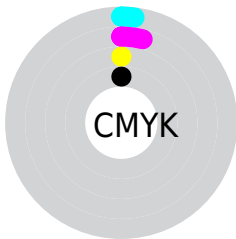
# Distribution



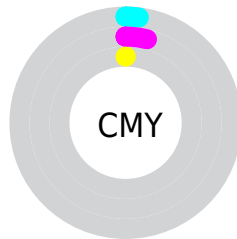
- Red (98%)
- Green (96%)
- Blue (100%)



- Red (98%)
- Yellow (96%)
- Blue (100%)



- Cyan (2%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (2%)
- Magenta (4%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.4306, 0.3106, 0.3184 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 92.4306, 0.3106, 0.3184 by changing the saturation by 10% instead.




 92.4306, 0.3106,  
0.3184

 92.4306, 0.3106,  
0.3184

535.9062, 0.3116,  
0.3231

 69.9983, 0.3104,  
0.3174


150.7101, 0.3109,  
0.3200

 51.5252, 0.3101,  
0.3162


187.3260, 0.3111,  
0.3206

 36.6267, 0.3098,  
0.3146


229.4387, 0.3112,  
0.3211

 24.9186, 0.3094,  
0.3127

277.4324, 0.3113,  
0.3216

 16.0164, 0.3088,  
0.3102

331.6917, 0.3114,  
0.3221

 9.5358, 0.3081,  
0.3067

392.6008, 0.3114,

 5.0923, 0.3069,

0.3224

0.3017

460.5441, 0.3115,  
0.3228

■ 2.3015, 0.3050,  
0.2939

■ 0.7745, 0.3019,  
0.2784

■ 92.4306, 0.3106,  
0.3184

■ 92.4306, 0.3106,  
0.3184

■ 76.4216, 0.3050,  
0.2925

100.0000, 0.3127,  
0.3290

■ 62.5318, 0.2985,  
0.2651

■ 50.6709, 0.2909,  
0.2367

■ 40.7378, 0.2824,  
0.2084

■ 32.6226, 0.2730,  
0.1811

■ 26.2040, 0.2630,  
0.1563

■ 21.3455, 0.2528,  
0.1352

■ 17.8885, 0.2428,  
0.1188

■ 15.6392, 0.2332,  
0.1076

# Harmonies

## Analogous

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



92.4306, 0.3043, 0.3174



92.4306, 0.3106, 0.3184



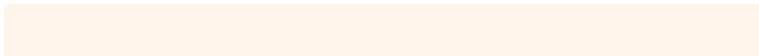
92.4306, 0.3175, 0.3222

# Triad

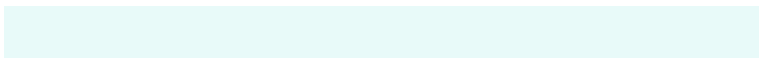
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



92.4306, 0.3106, 0.3184



92.4306, 0.3253, 0.3386



92.4306, 0.3024, 0.3301

# Complementary

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



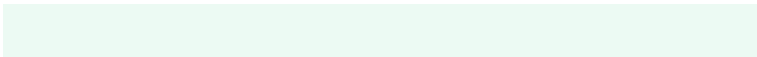
92.4306, 0.3106, 0.3184



98.0271, 0.3147, 0.3397

# 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.



92.4306, 0.3079, 0.3360



92.4306, 0.3106, 0.3184



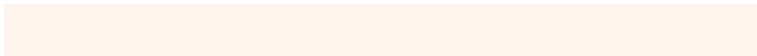
92.4306, 0.3211, 0.3409

# Square

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



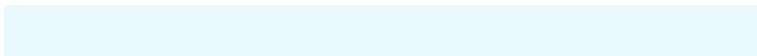
92.4306, 0.3106, 0.3184



92.4306, 0.3260, 0.3338



92.4306, 0.3147, 0.3399

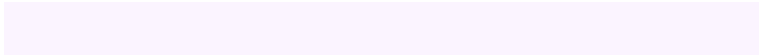


92.4306, 0.2996, 0.3240



# Rectangle

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



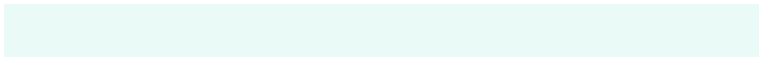
92.4306, 0.3106, 0.3184



92.4306, 0.3215, 0.3258



92.4306, 0.3147, 0.3399



92.4306, 0.3040, 0.3322

# Sweetspot

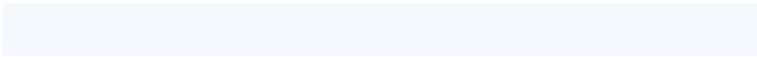
The Sweet Spot groups the original color and five complimentary colors.



92.4342, 0.3106, 0.3184



98.2049, 0.3122, 0.3266



93.7362, 0.3061, 0.3224



21.0388, 0.3123, 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.



92.4342, 0.3106, 0.3184



91.2477, 0.3102, 0.3167



93.1154, 0.3140, 0.3197



19.2770, 0.3099, 0.3149



7.7906, 0.2295, 0.1038



0.8208, 0.2399, 0.1095



# Inverse Universe

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



92.7608, 0.3174, 0.3251



91.6272, 0.3182, 0.3245



97.3693, 0.3115, 0.3385



19.3696, 0.3190, 0.3238



11.5625, 0.5502, 0.2805

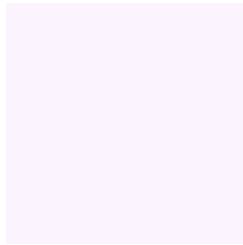


1.1461, 0.5192, 0.2634



# Previews

## White Background



This preview shows how the Yxy color 92.4306, 0.3106, 0.3184 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

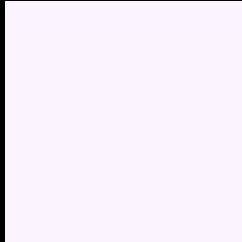
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.4306, 0.3106, 0.3184 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

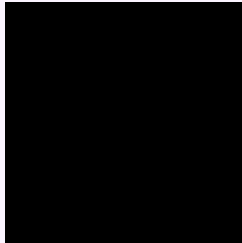
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 92.4306, 0.3106, 0.3184**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.4306, 0.3106, 0.3184.



This preview shows how white text looks on a background with the Yxy color 92.4306, 0.3106, 0.3184.

# 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**

92.4306, 0.3106, 0.3184

**Protanopia**

92.4813, 0.3087, 0.3193

**Deuteranopia**

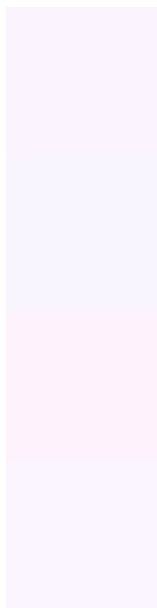
92.3262, 0.3157, 0.3213



## Tritanopia

92.6646, 0.3093, 0.3193

# Trichromacy



## Original Color

92.4306, 0.3106, 0.3184

## Protanomaly

92.6646, 0.3093, 0.3193

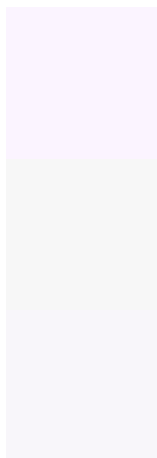
## Deuteranomaly

92.2003, 0.3144, 0.3203

## Tritanomaly

92.8488, 0.3100, 0.3193

# Monochromacy



## Original Color

92.4306, 0.3106, 0.3184

## Achromatopsia

93.0111, 0.3127, 0.3290

## Achromatomaly

92.7701, 0.3116, 0.3251

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  92.4306, 0.3106, 0.3184 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  $rgb(251, 244, 255)$  looks like.

```
.text, #text, p{  
    color:rgb(251, 244, 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, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 244, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 92.4306, 0.3106, 0.3184 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, 244, 255) }
```

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

```
.border{ border-color:rgb(251, 244, 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, 244, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(251, 244,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.4306, 0.3106, 0.3184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 244, 255) }
```

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

```
.background{ background-color: rgb(251,  
244, 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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