

# Converting Colors

$Y_{xy}(92.4079, 0.3075, 0.3197)$

Have a look what the booklet for  
Yxy(92.4079, 0.3075, 0.3197)  
contains.

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# Color

**Yxy(92.1176, 0.3074, 0.3193)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6F5FF
RGB	246, 245, 255
RGB Percent	96%, 96%, 100%
CMY	0.0356, 0.0391, 0.0001
CMYK	0.04, 0.04, 0.00, 0.00
HSL	245°, 100%, 98%
HSV	245°, 4%, 100%
XYZ	88.6845, 92.1176, 107.6965
YIQ	246.4390, -2.6140, 3.3220

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	246, 245, 255
Decimal	16184831
CIE Lab	96.87, 2.08, -4.67
CIE LCh	97, 5.114, 294.038
Yxy	92.1176, 0.3074, 0.3193
Android (android.graphics.Color)	4294374911 (0xFFFF6F5FF)
YUV	246.4390, 4.2206, -0.3850
Hunter-Lab	95.9779, -3.0257, 0.6554

# Details

The Yxy color 92.1176, 0.3074, 0.3193 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 99.1908, 0.3179, 0.3386, and the grayscale version is 92.4928, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 51.4196, 0.3067, 0.3178 is the 20% darker color. If you saturate the color by 10%, you get 73.8010, 0.2924, 0.2922, and if you desaturate by 10%, it is 99.9988, 0.3127, 0.3290.

# Distribution



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



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



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




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.1176, 0.3074, 0.3193 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 92.1176, 0.3074, 0.3193 by changing the saturation by 10% instead.




 92.1176, 0.3074,  
0.3193

 92.1176, 0.3074,  
0.3193

534.8955, 0.3098,  
0.3236

 69.7383, 0.3069,  
0.3184


150.2764, 0.3082,  
0.3208

 51.3132, 0.3062,  
0.3172


186.8246, 0.3085,  
0.3213

 36.4579, 0.3055,  
0.3158

228.8647, 0.3088,  
0.3218

 24.7881, 0.3045,  
0.3140

276.7809, 0.3090,  
0.3223

 15.9192, 0.3031,  
0.3117

330.9577, 0.3093,  
0.3227

 9.4670, 0.3013,  
0.3085

391.7795, 0.3094,

 5.0470, 0.2986,

0.3230

459.6306, 0.3096,  
0.3233

0.3038

■ 2.2749, 0.2943,  
0.2964

■ 0.7604, 0.2864,  
0.2815

■ 92.1176, 0.3074,  
0.3193

■ 92.1176, 0.3074,  
0.3193

■ 73.8010, 0.2924,  
0.2922

99.9988, 0.3127,  
0.3290

■ 58.0256, 0.2754,  
0.2618

■ 44.6826, 0.2565,  
0.2287

■ 33.6508, 0.2363,  
0.1938

■ 24.7985, 0.2156,  
0.1589

■ 17.9807, 0.1958,  
0.1262

■ 13.0347, 0.1783,  
0.0984

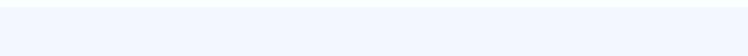
■ 9.7729, 0.1646,  
0.0776

■ 7.9679, 0.1555,  
0.0653

# Harmonies

## Analogous

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



92.1176, 0.3033, 0.3201



92.1176, 0.3074, 0.3193



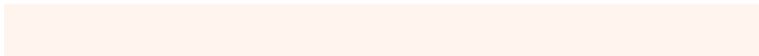
92.1176, 0.3130, 0.3210

# Triad

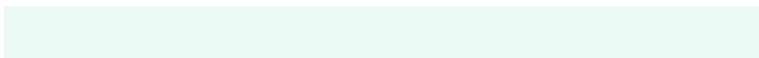
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



92.1176, 0.3074, 0.3193



92.1176, 0.3239, 0.3346



92.1176, 0.3069, 0.3332

# Complementary

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



92.1176, 0.3074, 0.3193



99.1908, 0.3179, 0.3386

# Split Complementary

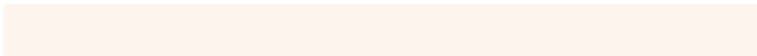
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.1176, 0.3124, 0.3372



92.1176, 0.3074, 0.3193



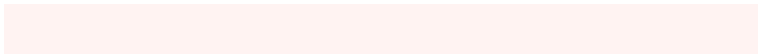
92.1176, 0.3222, 0.3379

# Square

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



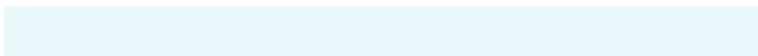
92.1176, 0.3074, 0.3193



92.1176, 0.3226, 0.3298



92.1176, 0.3180, 0.3389



92.1176, 0.3030, 0.3281



# Rectangle

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



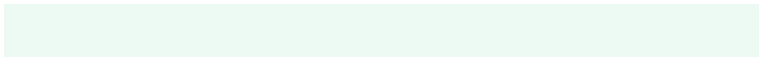
92.1176, 0.3074, 0.3193



92.1176, 0.3168, 0.3234



92.1176, 0.3180, 0.3389



92.1176, 0.3086, 0.3347

# Sweetspot

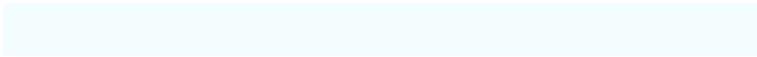
The Sweet Spot groups the original color and five complimentary colors.



92.1215, 0.3074, 0.3193



97.9460, 0.3114, 0.3266



97.6171, 0.3066, 0.3282



20.9861, 0.3114, 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.



92.1215, 0.3074, 0.3193



89.9969, 0.3058, 0.3165



93.0219, 0.3105, 0.3194



18.9735, 0.3048, 0.3147



3.8924, 0.1528, 0.0616

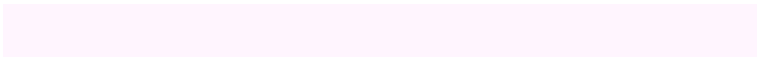


0.4040, 0.1588, 0.0648



# Inverse Universe

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



93.7425, 0.3137, 0.3203



92.0601, 0.3140, 0.3179



98.2747, 0.3148, 0.3386



19.4750, 0.3142, 0.3163



14.1720, 0.3448, 0.1673

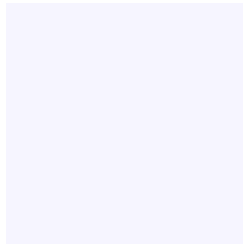


1.3877, 0.3417, 0.1656



# Previews

## White Background



This preview shows how the Yxy color 92.1176, 0.3074, 0.3193 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

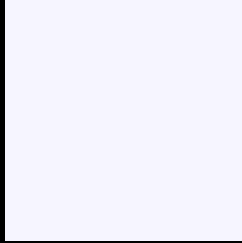
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.1176, 0.3074, 0.3193 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

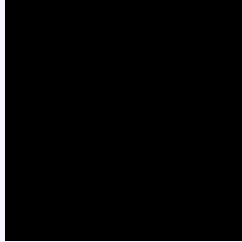
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

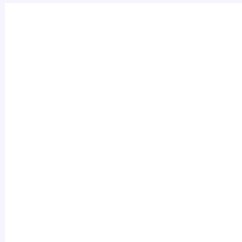
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 92.1176, 0.3074, 0.3193**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.1176, 0.3074, 0.3193.

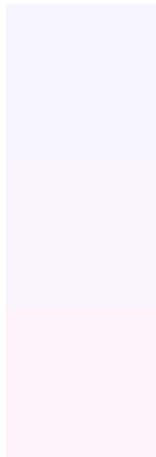


This preview shows how white text looks on a background with the Yxy color 92.1176, 0.3074, 0.3193.

# 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

92.1176, 0.3074, 0.3193

### Protanopia

92.4813, 0.3087, 0.3193

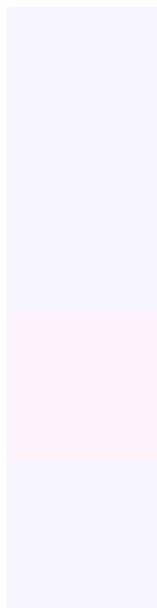
### Deuteranopia

92.3262, 0.3157, 0.3213

## **Tritanopia**

92.2990, 0.3081, 0.3193

# Trichromacy



## Original Color

92.1176, 0.3074, 0.3193

## Protanomaly

92.2990, 0.3081, 0.3193

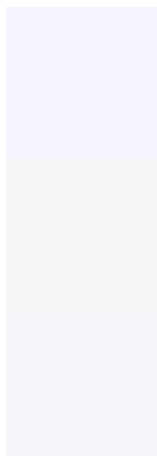
## Deuteranomaly

92.4251, 0.3131, 0.3213

## Tritanomaly

92.2990, 0.3081, 0.3193

# Monochromacy



## Original Color

92.1176, 0.3074, 0.3193

## Achromatopsia

92.1582, 0.3127, 0.3290

## Achromatomaly

92.3439, 0.3109, 0.3261

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.1176, 0.3074, 0.3193 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(246, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(246, 245, 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(246, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 245, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 92.1176, 0.3074, 0.3193 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(246, 245, 255) }
```

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

```
.border{ border-color:rgb(246, 245, 255) }
```

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

Here you see how a box with a 4 pixel rgb(246, 245, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(246, 245,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.1176, 0.3074, 0.3193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 245, 255) }
```

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

```
.background{ background-color: rgb(246,  
245, 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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