

# Converting Colors

$Y_{xy}(92.8041, 0.3075, 0.3203)$

Have a look what the booklet for  
Yxy(92.8041, 0.3075, 0.3203)  
contains.

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# Color

**Yxy(92.7244, 0.3074, 0.3202)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6F6FF
RGB	246, 246, 255
RGB Percent	96%, 96%, 100%
CMY	0.0353, 0.0353, 0.0000
CMYK	0.04, 0.04, 0.00, 0.00
HSL	240°, 100%, 98%
HSV	240°, 4%, 100%
XYZ	89.0177, 92.7244, 107.8406
YIQ	247.0260, -2.8890, 2.7990

# Conversions

## Conversions Part 2

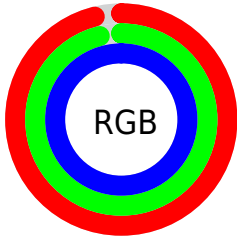
Format	Color
R <sub>Y</sub> B	246, 246, 255
Decimal	16185087
CIE Lab	97.12, 1.63, -4.33
CIE LCh	97, 4.629, 290.598
Yxy	92.7244, 0.3074, 0.3202
Android (android.graphics.Color)	4294375167 (0xFF6F6FF)
YUV	247.0260, 3.9312, -0.8998
Hunter-Lab	96.2935, -3.5008, 1.0057

# Details

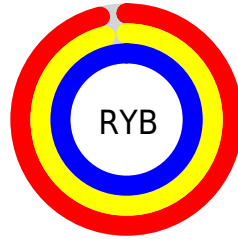
The Yxy color 92.7244, 0.3074, 0.3202 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 99.4323, 0.3179, 0.3376, and the grayscale version is 93.0050, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 51.8513, 0.3067, 0.3191 is the 20% darker color. If you saturate the color by 10%, you get 73.9683, 0.2910, 0.2930, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

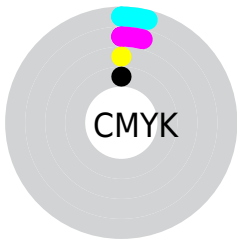
# Distribution



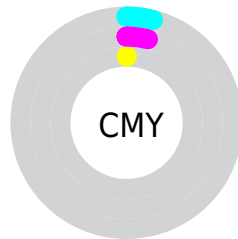
- Red (96%)
- Green (96%)
- Blue (100%)



- 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 92.7244, 0.3074, 0.3202 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 92.7244, 0.3074, 0.3202 by changing the saturation by 10% instead.



 92.7244, 0.3074,  
0.3202

 92.7244, 0.3074,  
0.3202


536.8539, 0.3098,  
0.3241

 70.2425, 0.3069,  
0.3194


151.1170, 0.3082,  
0.3215

 51.7242, 0.3063,  
0.3183


187.7964, 0.3085,  
0.3220

 36.7853, 0.3055,  
0.3170


229.9772, 0.3088,  
0.3225

 25.0413, 0.3045,  
0.3154

278.0436, 0.3090,  
0.3229

 16.1078, 0.3032,  
0.3133

332.3801, 0.3092,  
0.3232

 9.6005, 0.3014,  
0.3104

393.3710, 0.3094,

 5.1349, 0.2987,

0.3236

0.3062

461.4009, 0.3096,  
0.3238

■ 2.3266, 0.2945,  
0.2995

■ 0.7877, 0.2867,  
0.2864

■ 92.7244, 0.3074,  
0.3202

■ 92.7244, 0.3074,  
0.3202

■ 73.9683, 0.2910,  
0.2930

100.0000, 0.3127,  
0.3290

■ 57.8599, 0.2724,  
0.2623

■ 44.2817, 0.2521,  
0.2286

■ 33.1052, 0.2305,  
0.1930

■ 24.1906, 0.2088,  
0.1572

■ 17.3838, 0.1886,  
0.1238

■ 12.5113, 0.1716,  
0.0957

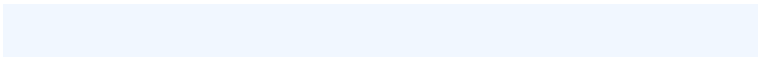
■ 9.3724, 0.1593,  
0.0752

■ 7.7222, 0.1522,  
0.0637

# Harmonies

## Analogous

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



92.7244, 0.3039, 0.3212



92.7244, 0.3074, 0.3202



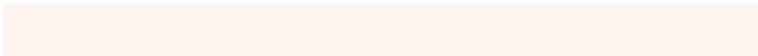
92.7244, 0.3124, 0.3215

# Triad

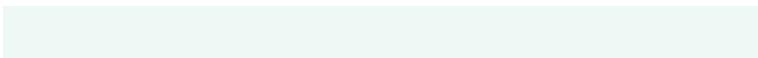
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



92.7244, 0.3074, 0.3202



92.7244, 0.3228, 0.3336



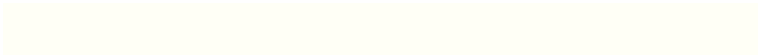
92.7244, 0.3080, 0.3333

# Complementary

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



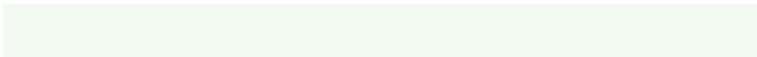
92.7244, 0.3074, 0.3202



99.4323, 0.3179, 0.3376

# Split Complementary

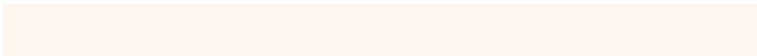
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.7244, 0.3130, 0.3367



92.7244, 0.3074, 0.3202



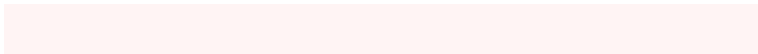
92.7244, 0.3216, 0.3368

# Square

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



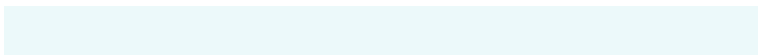
92.7244, 0.3074, 0.3202



92.7244, 0.3213, 0.3292



92.7244, 0.3180, 0.3380



92.7244, 0.3042, 0.3288



# Rectangle

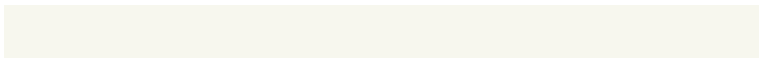
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



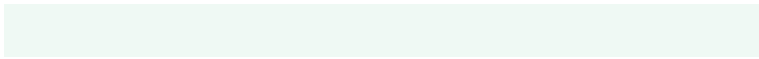
92.7244, 0.3074, 0.3202



92.7244, 0.3158, 0.3235



92.7244, 0.3180, 0.3380



92.7244, 0.3096, 0.3346

# Sweetspot

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



92.7262, 0.3074, 0.3202



97.9038, 0.3112, 0.3266



98.3329, 0.3072, 0.3290



20.9775, 0.3113, 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.



92.7262, 0.3074, 0.3202



91.7821, 0.3067, 0.3190



93.5483, 0.3103, 0.3203



19.3249, 0.3055, 0.3171



3.7737, 0.1500, 0.0600



0.3677, 0.1501, 0.0601



# Inverse Universe

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



94.3912, 0.3131, 0.3204



93.6633, 0.3132, 0.3193



98.5904, 0.3151, 0.3377



19.8009, 0.3133, 0.3174



14.8736, 0.3212, 0.1543

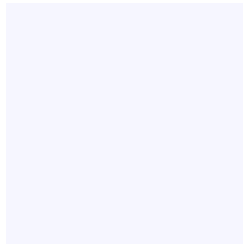


1.4483, 0.3211, 0.1543



# Previews

## White Background



This preview shows how the Yxy color 92.7244, 0.3074, 0.3202 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

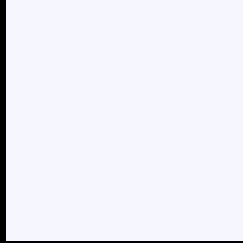
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.7244, 0.3074, 0.3202 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 92.7244, 0.3074, 0.3202**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.7244, 0.3074, 0.3202.

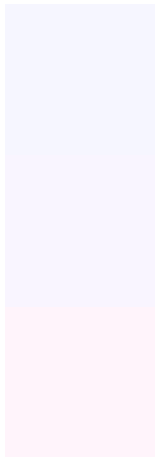


This preview shows how white text looks on a background with the Yxy color 92.7244, 0.3074, 0.3202.

# 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

92.7244, 0.3074, 0.3202

### Protanopia

92.6646, 0.3093, 0.3193

### Deuteranopia

92.9264, 0.3156, 0.3223

## Tritanopia

92.9057, 0.3080, 0.3203

# Trichromacy



## Original Color

92.7244, 0.3074, 0.3202

## Protanomaly

92.4813, 0.3087, 0.3193

## Deuteranomaly

93.0285, 0.3130, 0.3222

## Tritanomaly

92.9057, 0.3080, 0.3203

# Monochromacy



## Original Color

92.7244, 0.3074, 0.3202

## Achromatopsia

93.0111, 0.3127, 0.3290

## Achromatomaly

93.1978, 0.3109, 0.3261

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.7244, 0.3074, 0.3202 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, 246, 255)` looks like.

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

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

## Border

The CSS property to change the border of an element to Yxy 92.7244, 0.3074, 0.3202 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, 246, 255) }
```

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

```
.border{ border-color:rgb(246, 246, 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, 246, 255)` colored shadow looks like.

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



# Background

The CSS property to change the background color of an element to Yxy 92.7244, 0.3074, 0.3202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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