

# Converting Colors

$Y_{xy}(92.6885, 0.3067, 0.3205)$

Have a look what the booklet for  
Yxy(92.6885, 0.3067, 0.3205)  
contains.

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# Color

**Yxy(92.5440, 0.3068, 0.3202)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5F6FF
RGB	245, 246, 255
RGB Percent	96%, 96%, 100%
CMY	0.0391, 0.0353, 0.0000
CMYK	0.04, 0.04, 0.00, 0.00
HSL	234°, 100%, 98%
HSV	234°, 4%, 100%
XYZ	88.6711, 92.5440, 107.8042
YIQ	246.7270, -3.4850, 2.5870

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	245, 246, 255
Decimal	16119551
CIE Lab	97.04, 1.31, -4.44
CIE LCh	97, 4.626, 286.438
Yxy	92.5440, 0.3068, 0.3202
Android (android.graphics.Color)	4294309631 (0xFF5F6FF)
YUV	246.7270, 4.0786, -1.5146
Hunter-Lab	96.1998, -3.8191, 0.8978

# Details

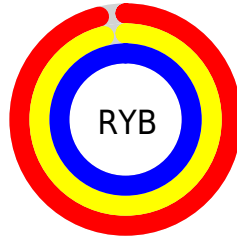
The Yxy color 92.5440, 0.3068, 0.3202 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 98.7620, 0.3186, 0.3376, and the grayscale version is 92.7525, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 51.7229, 0.3059, 0.3191 is the 20% darker color. If you saturate the color by 10%, you get 75.1159, 0.2904, 0.2956, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

# Distribution



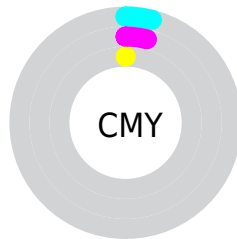
- Red (96%)
- Green (96%)
- Blue (100%)



- 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 92.5440, 0.3068, 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 92.5440, 0.3068, 0.3202 by changing the saturation by 10% instead.




 92.5440, 0.3068,  
0.3202

 92.5440, 0.3068,  
0.3202


536.2721, 0.3094,  
0.3241

 70.0926, 0.3062,  
0.3193

150.8671, 0.3077,  
0.3215

 51.6020, 0.3055,  
0.3183


187.5076, 0.3080,  
0.3220

 36.6879, 0.3047,  
0.3170


229.6466, 0.3084,  
0.3225

 24.9660, 0.3036,  
0.3154

277.6684, 0.3086,  
0.3229

 16.0517, 0.3021,  
0.3133

331.9574, 0.3089,  
0.3232

 9.5607, 0.3001,  
0.3104

392.8981, 0.3091,

 5.1087, 0.2972,

0.3236

0.3061

460.8749, 0.3093,  
0.3238

■ 2.3112, 0.2924,  
0.2994

■ 0.7796, 0.2837,  
0.2861

■ 92.5440, 0.3068,  
0.3202

■ 92.5440, 0.3068,  
0.3202

■ 75.1159, 0.2904,  
0.2956

100.0000, 0.3127,  
0.3290

■ 59.9655, 0.2722,  
0.2678

■ 47.0016, 0.2525,  
0.2373

■ 36.1229, 0.2319,  
0.2047

■ 27.2201, 0.2112,  
0.1713

■ 20.1738, 0.1917,  
0.1391

■ 14.8519, 0.1750,  
0.1103

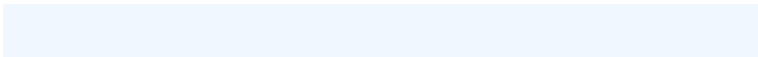
■ 11.1043, 0.1622,  
0.0871

■ 8.7548, 0.1542,  
0.0712

# Harmonies

## Analogous

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



92.5440, 0.3036, 0.3215



92.5440, 0.3068, 0.3202



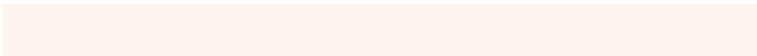
92.5440, 0.3116, 0.3212

# Triad

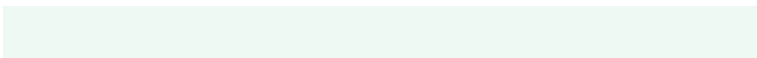
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



92.5440, 0.3068, 0.3202



92.5440, 0.3228, 0.3330



92.5440, 0.3086, 0.3339

# Complementary

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



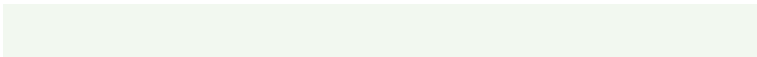
92.5440, 0.3068, 0.3202



98.7620, 0.3186, 0.3376

# Split Complementary

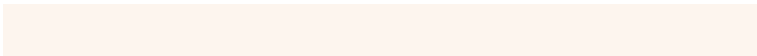
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.5440, 0.3138, 0.3370



92.5440, 0.3068, 0.3202



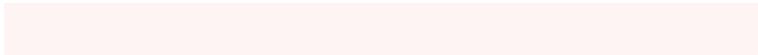
92.5440, 0.3219, 0.3365

# Square

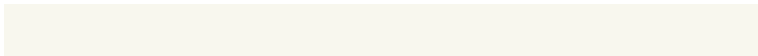
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



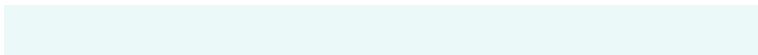
92.5440, 0.3068, 0.3202



92.5440, 0.3209, 0.3285



92.5440, 0.3186, 0.3380



92.5440, 0.3046, 0.3294

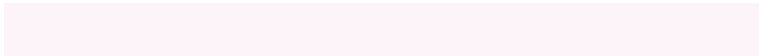


# Rectangle

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



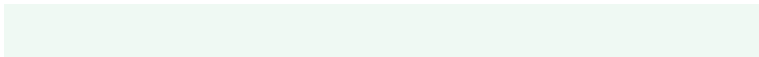
92.5440, 0.3068, 0.3202



92.5440, 0.3151, 0.3230



92.5440, 0.3186, 0.3380



92.5440, 0.3103, 0.3351

# Sweetspot

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



92.5473, 0.3068, 0.3202



98.0585, 0.3112, 0.3268



98.0944, 0.3072, 0.3299



21.0090, 0.3113, 0.3269



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.



92.5473, 0.3068, 0.3202



90.5311, 0.3051, 0.3177



92.6882, 0.3094, 0.3193



19.1027, 0.3040, 0.3160



4.2206, 0.1518, 0.0663

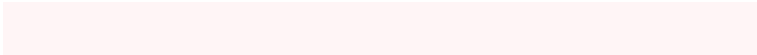


0.5010, 0.1553, 0.0790



# Inverse Universe

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



93.2384, 0.3186, 0.3281



91.4134, 0.3203, 0.3278



98.6263, 0.3160, 0.3386



19.3178, 0.3214, 0.3277



11.1540, 0.6293, 0.3241

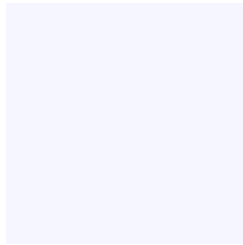


1.0951, 0.6086, 0.3126



# Previews

## White Background



This preview shows how the Yxy color 92.5440, 0.3068, 0.3202 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

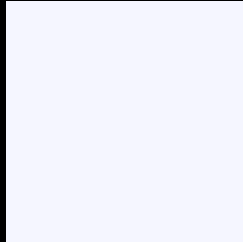
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.5440, 0.3068, 0.3202 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

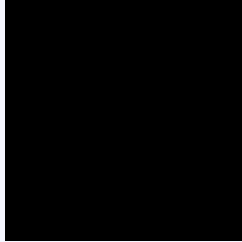
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

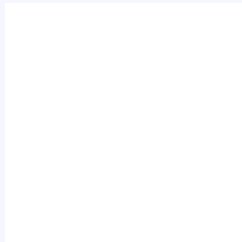
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 92.5440, 0.3068, 0.3202**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.5440, 0.3068, 0.3202.

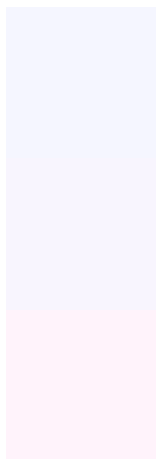


This preview shows how white text looks on a background with the Yxy color 92.5440, 0.3068, 0.3202.

# 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

92.5440, 0.3068, 0.3202

### Protanopia

92.4170, 0.3093, 0.3203

### Deuteranopia

92.3262, 0.3157, 0.3213

## **Tritanopia**

92.7244, 0.3074, 0.3202

# Trichromacy



## Original Color

92.5440, 0.3068, 0.3202

## Protanomaly

92.2347, 0.3087, 0.3202

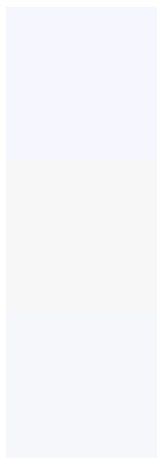
## Deuteranomaly

92.2389, 0.3124, 0.3213

## Tritanomaly

92.7244, 0.3074, 0.3202

# Monochromacy



## Original Color

92.5440, 0.3068, 0.3202

## Achromatopsia

93.0111, 0.3127, 0.3290

## Achromatomaly

93.0165, 0.3103, 0.3261

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.5440, 0.3068, 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(245, 246, 255)` looks like.

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

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

## Border

The CSS property to change the border of an element to Yxy 92.5440, 0.3068, 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(245, 246, 255) }
```

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

```
.border{ border-color:rgb(245, 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(245, 246, 255)` colored shadow looks like.

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



# Background

The CSS property to change the background color of an element to Yxy 92.5440, 0.3068, 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(245, 246, 255) }
```

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

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