

# Converting Colors

$Y_{xy}(95.1270, 0.3082, 0.3237)$

Have a look what the booklet for  
Yxy(95.1270, 0.3082, 0.3237)  
contains.

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# Color

**Yxy(95.3654, 0.3079, 0.3242)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7FAFF
RGB	247, 250, 255
RGB Percent	97%, 98%, 100%
CMY	0.0317, 0.0195, 0.0001
CMYK	0.03, 0.02, 0.00, 0.00
HSL	217°, 99%, 98%
HSV	217°, 3%, 100%
XYZ	90.5707, 95.3654, 108.2200
YIQ	249.6730, -3.3930, 0.9190

# Conversions

## Conversions Part 2

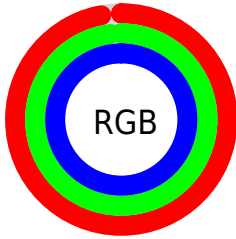
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	247, 249, 255
Decimal	16251647
CIE Lab	98.18, -0.13, -2.73
CIE LCh	98, 2.735, 267.295
Yxy	95.3654, 0.3079, 0.3242
Android (android.graphics.Color)	4294441727 (0xFF7FAFF)
YUV	249.6730, 2.6262, -2.3442
Hunter-Lab	97.6552, -5.3462, 2.6544

# Details

The Yxy color 95.3654, 0.3079, 0.3242 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97.5078, 0.3176, 0.3338, and the grayscale version is 95.2878, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.7372, 0.3074, 0.3241 is the 20% darker color. If you saturate the color by 10%, you get 81.7101, 0.2920, 0.3078, and if you desaturate by 10%, it is 99.9985, 0.3127, 0.3290.

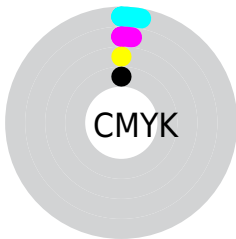
# Distribution



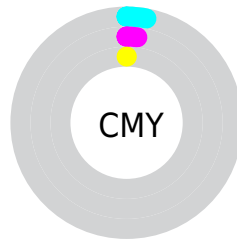
- Red (97%)
- Green (98%)
- Blue (100%)



- Red (97%)
- Yellow (98%)
- Blue (100%)



- Cyan (3%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (3%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 95.3654, 0.3079, 0.3242 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 95.3654, 0.3079, 0.3242 by changing the saturation by 10% instead.




 95.3654, 0.3079,  
0.3242

 95.3654, 0.3079,  
0.3242


545.3341, 0.3100,  
0.3263

 72.4391, 0.3074,  
0.3237


154.7693, 0.3086,  
0.3249

 53.5175, 0.3069,  
0.3232


192.0158, 0.3089,  
0.3252

 38.2160, 0.3062,  
0.3225


234.8044, 0.3092,  
0.3255

 26.1504, 0.3053,  
0.3216

283.5196, 0.3094,  
0.3257

 16.9362, 0.3042,  
0.3204

338.5458, 0.3096,  
0.3259

 10.1890, 0.3026,  
0.3189

400.2673, 0.3097,

 5.5245, 0.3003,

0.3260

0.3166

469.0686, 0.3099,  
0.3262

■ 2.5581, 0.2967,  
0.3130

■ 0.9057, 0.2901,  
0.3064

■ 95.3654, 0.3079,  
0.3242

■ 95.3654, 0.3079,  
0.3242

■ 81.7101, 0.2920,  
0.3078

99.9985, 0.3127,  
0.3290

■ 69.4485, 0.2752,  
0.2894

■ 58.5369, 0.2578,  
0.2691

■ 48.9248, 0.2402,  
0.2471

■ 40.5583, 0.2229,  
0.2238

■ 33.3789, 0.2067,  
0.1997

■ 27.3227, 0.1922,  
0.1757

■ 22.3182, 0.1802,  
0.1527

■ 18.2824, 0.1710,  
0.1316

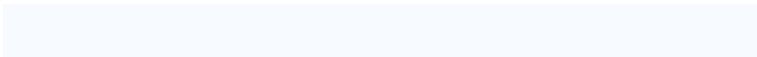
# Harmonies

## Analogous

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



95.3654, 0.3069, 0.3258



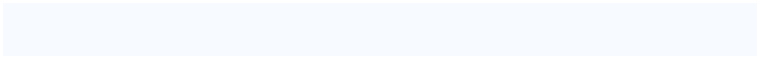
95.3654, 0.3079, 0.3242



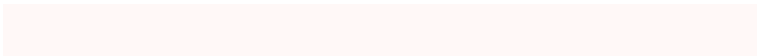
95.3654, 0.3102, 0.3239

# Triad

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



95.3654, 0.3079, 0.3242



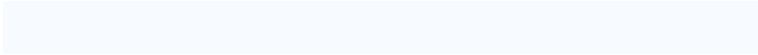
95.3654, 0.3181, 0.3297



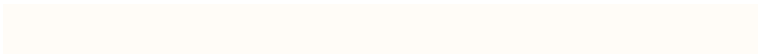
95.3654, 0.3122, 0.3331

# Complementary

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



95.3654, 0.3079, 0.3242



97.5078, 0.3176, 0.3338

# Split Complementary

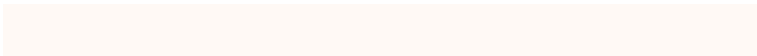
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.3654, 0.3152, 0.3342



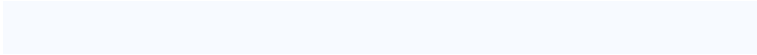
95.3654, 0.3079, 0.3242



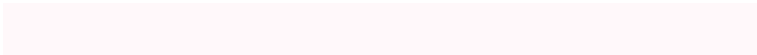
95.3654, 0.3186, 0.3322

# Square

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



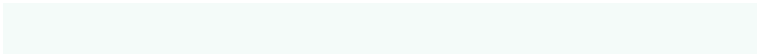
95.3654, 0.3079, 0.3242



95.3654, 0.3161, 0.3271



95.3654, 0.3176, 0.3339



95.3654, 0.3094, 0.3310



# Rectangle

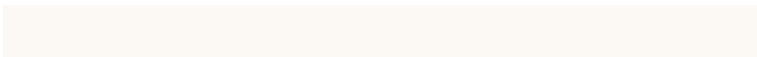
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



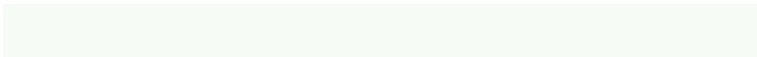
95.3654, 0.3079, 0.3242



95.3654, 0.3122, 0.3245



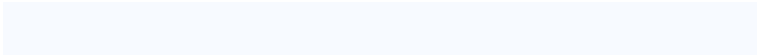
95.3654, 0.3176, 0.3339



95.3654, 0.3132, 0.3336

# Sweetspot

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



95.3695, 0.3079, 0.3242



98.5238, 0.3112, 0.3275



98.2787, 0.3096, 0.3321



21.1037, 0.3113, 0.3276



0.0000, 0.0000, 0.0000

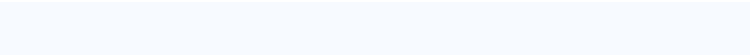


21.4041, 0.3127, 0.3290

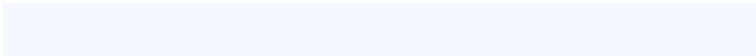


# Same Dimension

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



95.3695, 0.3079, 0.3242



94.1824, 0.3066, 0.3229



93.6032, 0.3085, 0.3212



19.9303, 0.3054, 0.3217



8.6338, 0.1671, 0.1217

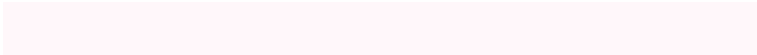


1.0446, 0.1734, 0.1441



# Inverse Universe

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



94.6367, 0.3160, 0.3260



93.2667, 0.3169, 0.3252



99.3189, 0.3169, 0.3367



19.7004, 0.3178, 0.3245



11.5995, 0.5443, 0.2772

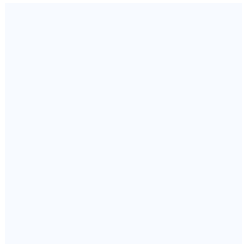


1.1500, 0.5137, 0.2603



# Previews

## White Background



This preview shows how the Yxy color 95.3654, 0.3079, 0.3242 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

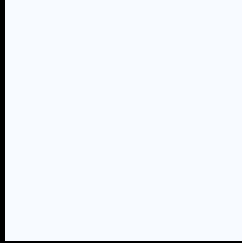
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 95.3654, 0.3079, 0.3242 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

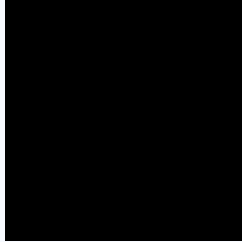
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

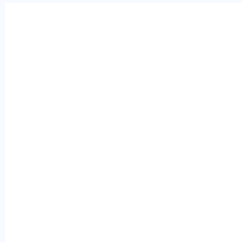
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 95.3654, 0.3079, 0.3242**

## **Background**



This preview shows how black text looks on a background with the Yxy color 95.3654, 0.3079, 0.3242.

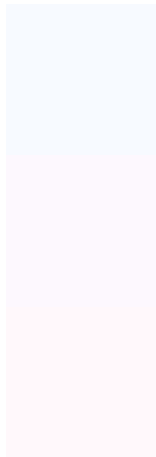


This preview shows how white text looks on a background with the Yxy color 95.3654, 0.3079, 0.3242.

# 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

95.3654, 0.3079, 0.3242

### Protanopia

95.1732, 0.3124, 0.3232

### Deuteranopia

95.3598, 0.3154, 0.3261

## **Tritanopia**

95.1111, 0.3092, 0.3232

# Trichromacy



**Original Color**

95.3654, 0.3079, 0.3242

**Protanomaly**

95.4164, 0.3110, 0.3242

**Deuteranomaly**

95.4751, 0.3129, 0.3261

**Tritanomaly**

94.9278, 0.3086, 0.3232

# Monochromacy



**Original Color**

95.3654, 0.3079, 0.3242

**Achromatopsia**

95.5973, 0.3127, 0.3290

**Achromatomaly**

95.5392, 0.3109, 0.3271

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 95.3654, 0.3079, 0.3242 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(247, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(247, 250, 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(247, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 250, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 95.3654, 0.3079, 0.3242 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(247, 250, 255) }
```

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

```
.border{ border-color:rgb(247, 250, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(247, 250,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 95.3654, 0.3079, 0.3242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 250, 255) }
```

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

```
.background{ background-color: rgb(247,  
250, 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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