

# Converting Colors

$Yxy(94.8705, 0.3046, 0.3413)$

Have a look what the booklet for  
Yxy(94.8705, 0.3046, 0.3413)  
contains.

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# Color

**Yxy(94.8141, 0.3042, 0.3410)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6FFF3
RGB	230, 255, 243
RGB Percent	90%, 100%, 95%
CMY	0.0979, 0.0000, 0.0470
CMYK	0.10, 0.00, 0.05, 0.00
HSL	151°, 100%, 95%
HSV	151°, 10%, 100%
XYZ	84.5820, 94.8141, 98.6512
YIQ	246.1570, -11.0480, -9.0320

# Conversions

## Conversions Part 2

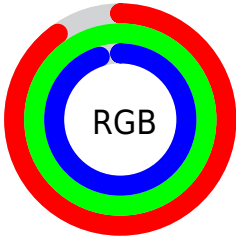
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	230, 246, 255
Decimal	15138803
CIE Lab	97.96, -10.27, 2.95
CIE LCh	98, 10.688, 163.960
Yxy	94.8141, 0.3042, 0.3410
Android (android.graphics.Color)	4293328883 (0xFFE6FFF3)
YUV	246.1570, -1.5564, -14.1697
Hunter-Lab	97.3725, -15.3492, 8.0922

# Details

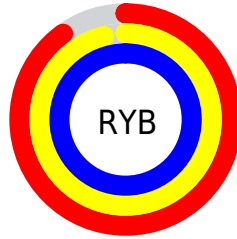
The Yxy color **94.8141, 0.3042, 0.3410** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **84.2862, 0.3222, 0.3173**, and the grayscale version is **92.3204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.9747, 0.3020, 0.3432** is the 20% darker color. If you saturate the color by 10%, you get **90.1875, 0.2957, 0.3547**, and if you desaturate by 10%, it is **99.9963, 0.3127, 0.3290**.

# Distribution



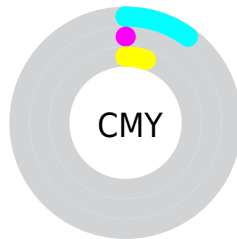
- Red (90%)
- Green (100%)
- Blue (95%)



- Red (90%)
- Yellow (96%)
- Blue (100%)



- Cyan (10%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (10%)
- Magenta (0%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.8141, 0.3042, 0.3410 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 94.8141, 0.3042, 0.3410 by changing the saturation by 10% instead.




 94.8141, 0.3042,  
0.3410

 94.8141, 0.3042,  
0.3410


543.5697, 0.3080,  
0.3357

 71.9803, 0.3034,  
0.3422


154.0078, 0.3055,  
0.3392

 53.1426, 0.3024,  
0.3436


191.1364, 0.3060,  
0.3385

 37.9166, 0.3011,  
0.3454


233.7987, 0.3064,  
0.3378

 25.9180, 0.2995,  
0.3477

282.3791, 0.3068,  
0.3373

 16.7623, 0.2974,  
0.3507

337.2620, 0.3072,  
0.3368

 10.0651, 0.2945,  
0.3548

398.8318, 0.3075,

 5.4422, 0.2902,

0.3364

0.3609

467.4729, 0.3077,  
0.3360

■ 2.5090, 0.2834,  
0.3709

■ 0.8811, 0.2642,  
0.3968

■ 94.8141, 0.3042,  
0.3410

■ 94.8141, 0.3042,  
0.3410

■ 90.1875, 0.2957,  
0.3547

99.9963, 0.3127,  
0.3290

■ 86.1956, 0.2878,  
0.3698

■ 82.8128, 0.2807,  
0.3863


■ 80.0072, 0.2747,  
0.4039

 77.7437, 0.2702,  
0.4225

 75.9832, 0.2675,  
0.4415

 74.6812, 0.2668,  
0.4606

 73.7849, 0.2682,  
0.4791

 73.2104, 0.2714,  
0.4968

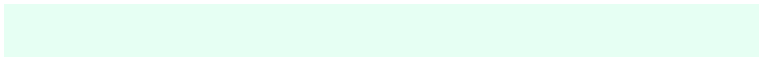
# Harmonies

## Analogous

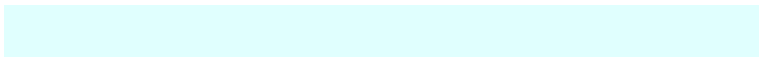
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.8141, 0.3160, 0.3480



94.8141, 0.3042, 0.3410



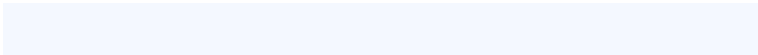
94.8141, 0.2948, 0.3307

# Triad

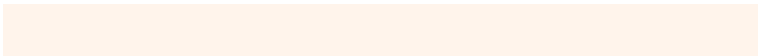
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



94.8141, 0.3042, 0.3410



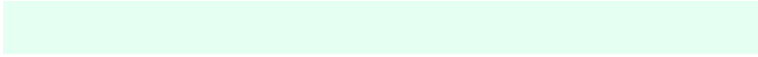
94.8141, 0.2984, 0.3090



94.8141, 0.3358, 0.3372

# Complementary

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



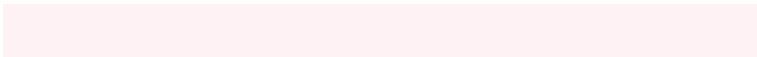
94.8141, 0.3042, 0.3410



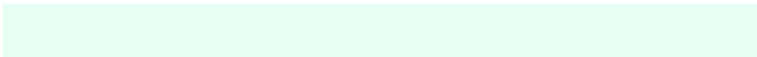
84.2862, 0.3222, 0.3173

# 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.



94.8141, 0.3309, 0.3270



94.8141, 0.3042, 0.3410



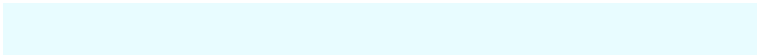
94.8141, 0.3091, 0.3109

# Square

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



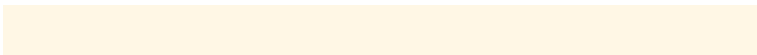
94.8141, 0.3042, 0.3410



94.8141, 0.2915, 0.3123



94.8141, 0.3211, 0.3175



94.8141, 0.3343, 0.3455



# Rectangle

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



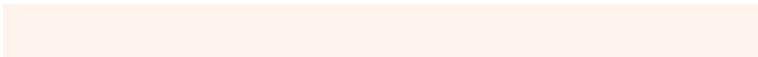
94.8141, 0.3042, 0.3410



94.8141, 0.2911, 0.3235



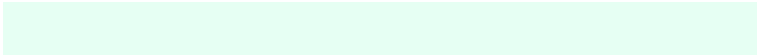
94.8141, 0.3211, 0.3175



94.8141, 0.3348, 0.3338

# Sweetspot

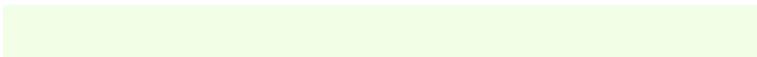
The Sweet Spot groups the original color and five complimentary colors.



94.8181, 0.3042, 0.3410



98.3437, 0.3101, 0.3325



96.1268, 0.3191, 0.3538



20.9571, 0.3094, 0.3335



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

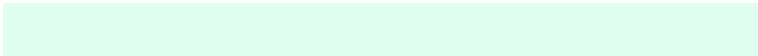


# Same Dimension

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



94.8181, 0.3042, 0.3410



93.7414, 0.3023, 0.3439



95.3004, 0.2976, 0.3285



20.3260, 0.3044, 0.3406



38.2808, 0.2706, 0.4943



3.7494, 0.2650, 0.4740



# Inverse Universe

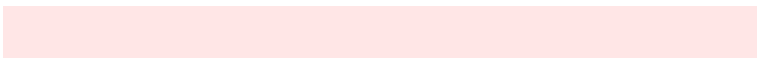
The Inverse Universe completely reimagines the original color for something new.



84.2862, 0.3222, 0.3173



81.0235, 0.3245, 0.3146



83.8218, 0.3300, 0.3295



18.1323, 0.3219, 0.3176



11.8775, 0.5050, 0.2556

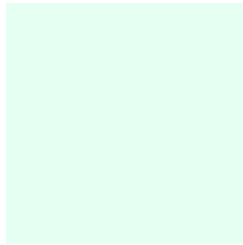


1.1784, 0.4785, 0.2409



# Previews

## White Background



This preview shows how the Yxy color 94.8141, 0.3042, 0.3410 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

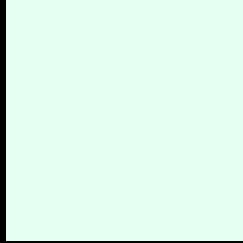
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.8141, 0.3042, 0.3410 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

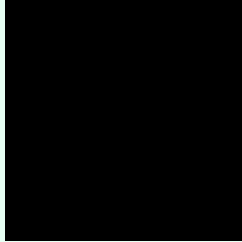
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

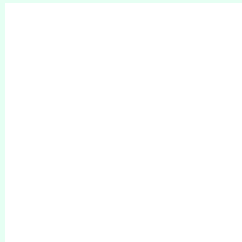
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 94.8141, 0.3042, 0.3410**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.8141, 0.3042, 0.3410.

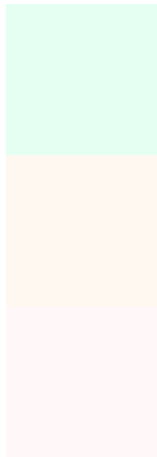


This preview shows how white text looks on a background with the Yxy color 94.8141, 0.3042, 0.3410.

# 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

94.8141, 0.3042, 0.3410

### Protanopia

94.6861, 0.3220, 0.3368

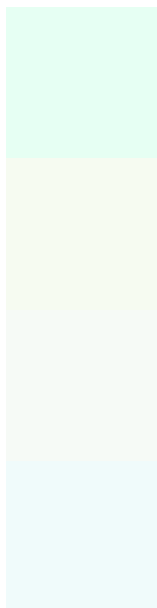
### Deuteranopia

94.5588, 0.3172, 0.3281

## Tritanopia

94.3838, 0.3067, 0.3232

# Trichromacy



## Original Color

94.8141, 0.3042, 0.3410

## Protanomaly

94.9381, 0.3154, 0.3388

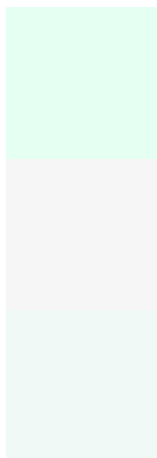
## Deuteranomaly

94.6179, 0.3125, 0.3329

## Tritanomaly

94.4847, 0.3059, 0.3290

# Monochromacy



## Original Color

94.8141, 0.3042, 0.3410

## Achromatopsia

92.1582, 0.3127, 0.3290

## Achromatomaly

92.8692, 0.3094, 0.3330

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.8141, 0.3042, 0.3410 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(230, 255, 243)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 243)  
}
```

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(230, 255, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 94.8141, 0.3042, 0.3410 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(230, 255, 243) }
```

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

```
.border{ border-color:rgb(230, 255, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 255, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 243);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.8141, 0.3042, 0.3410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 255, 243) }
```

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

```
.background{ background-color: rgb(230,  
255, 243) }
```

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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