

# Converting Colors

$Y_{xy}(100.0000, 0.3053, 0.3493)$

Have a look what the booklet for  
Yxy(100.0000, 0.3053, 0.3493)  
contains.

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# Color

**Yxy(94.9197, 0.3054, 0.3420)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7FFF2
RGB	231, 255, 242
RGB Percent	91%, 100%, 95%
CMY	0.0938, 0.0001, 0.0510
CMYK	0.09, 0.00, 0.05, 0.00
HSL	147°, 100%, 95%
HSV	147°, 9%, 100%
XYZ	84.7616, 94.9197, 97.8617
YIQ	246.3420, -10.1310, -9.1310

# Conversions

## Conversions Part 2

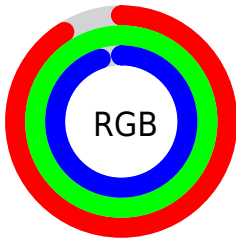
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	231, 247, 255
Decimal	15204338
CIE <sub>Lab</sub>	98.00, -10.11, 3.54
CIE <sub>LCh</sub>	98, 10.716, 160.690
Yxy	94.9197, 0.3054, 0.3420
Android (android.graphics.Color)	4293394418 (0xFFE7FFF2)
YUV	246.3420, -2.1406, -13.4549
Hunter-Lab	97.4267, -15.2011, 8.6440

# Details

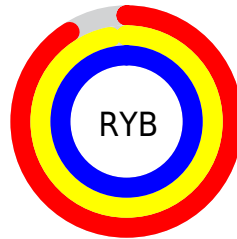
The Yxy color **94.9197, 0.3054, 0.3420** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **84.9898, 0.3207, 0.3163**, and the grayscale version is **92.4868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **53.0473, 0.3035, 0.3444** is the 20% darker color. If you saturate the color by 10%, you get **90.1827, 0.2978, 0.3575**, and if you desaturate by 10%, it is **99.9901, 0.3127, 0.3290**.

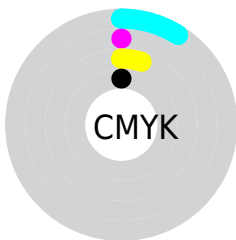
# Distribution



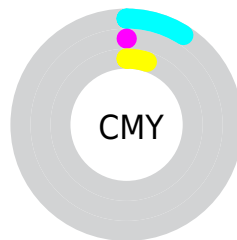
- Red (91%)
- Green (100%)
- Blue (95%)



- Red (91%)
- Yellow (97%)
- Blue (100%)



- Cyan (9%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (9%)
- Magenta (0%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.9197, 0.3054, 0.3420 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 94.9197, 0.3054, 0.3420 by changing the saturation by 10% instead.




 94.9197, 0.3054,  
0.3420

 94.9197, 0.3054,  
0.3420

543.9079, 0.3087,  
0.3362

 72.0681, 0.3047,  
0.3433

154.1537, 0.3065,  
0.3400

 53.2143, 0.3038,  
0.3448


191.3049, 0.3069,  
0.3393

 37.9739, 0.3027,  
0.3468


233.9914, 0.3073,  
0.3386

 25.9624, 0.3013,  
0.3492

282.5976, 0.3077,  
0.3380

 16.7955, 0.2995,  
0.3525

337.5080, 0.3080,  
0.3375

 10.0888, 0.2970,  
0.3570

399.1069, 0.3082,

 5.4579, 0.2933,

0.3370

0.3637

467.7788, 0.3084,  
0.3366

■ 2.5183, 0.2872,  
0.3745

■ 0.8858, 0.2708,  
0.4031

■ 94.9197, 0.3054,  
0.3420

■ 94.9197, 0.3054,  
0.3420

■ 90.1827, 0.2978,  
0.3575

99.9901, 0.3127,  
0.3290

■ 86.0948, 0.2906,  
0.3747

■ 82.6300, 0.2841,  
0.3934

■ 79.7560, 0.2787,  
0.4135

■ 77.4373, 0.2747,  
0.4346

■ 75.6346, 0.2724,  
0.4562

■ 74.3032, 0.2720,  
0.4776

■ 73.3898, 0.2737,  
0.4982

■ 72.8142, 0.2771,  
0.5172

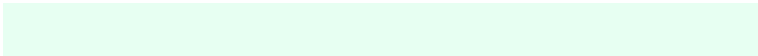
# Harmonies

## Analogous

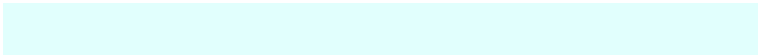
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.9197, 0.3173, 0.3485



94.9197, 0.3054, 0.3420



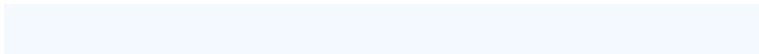
94.9197, 0.2956, 0.3319

# Triad

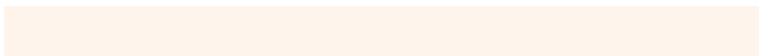
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



94.9197, 0.3054, 0.3420



94.9197, 0.2973, 0.3091



94.9197, 0.3356, 0.3361

# Complementary

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



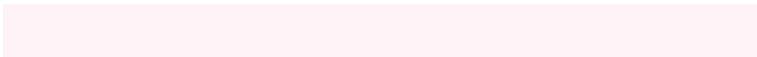
94.9197, 0.3054, 0.3420



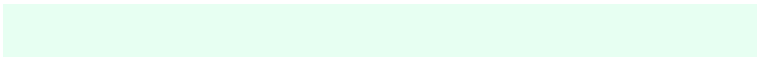
84.9898, 0.3207, 0.3163

# 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.



94.9197, 0.3300, 0.3258



94.9197, 0.3054, 0.3420



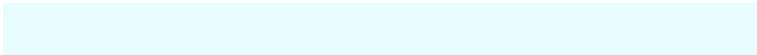
94.9197, 0.3078, 0.3105

# Square

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



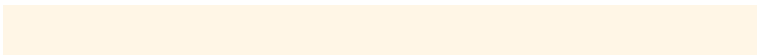
94.9197, 0.3054, 0.3420



94.9197, 0.2910, 0.3129



94.9197, 0.3198, 0.3165

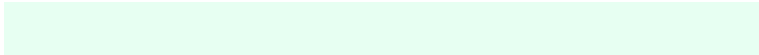


94.9197, 0.3348, 0.3448



# Rectangle

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



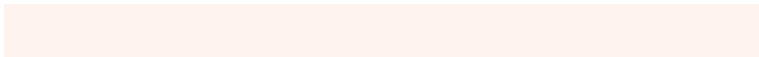
94.9197, 0.3054, 0.3420



94.9197, 0.2915, 0.3246



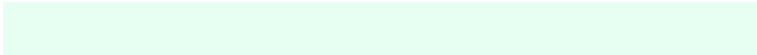
94.9197, 0.3198, 0.3165



94.9197, 0.3344, 0.3327

# Sweetspot

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



94.9237, 0.3054, 0.3420



98.3132, 0.3104, 0.3330



96.5581, 0.3198, 0.3526



20.9489, 0.3097, 0.3341



0.0000, 0.0000, 0.0000

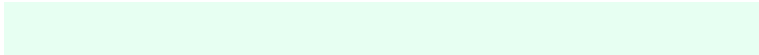


21.4041, 0.3127, 0.3290

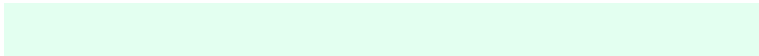


# Same Dimension

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



94.9237, 0.3054, 0.3420



94.1204, 0.3041, 0.3444



95.6548, 0.2989, 0.3301



20.3063, 0.3053, 0.3422



38.0656, 0.2765, 0.5153



3.7280, 0.2704, 0.4935



# Inverse Universe

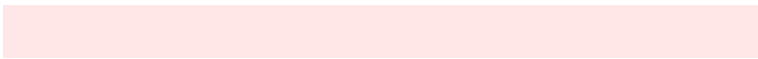
The Inverse Universe completely reimagines the original color for something new.



84.9898, 0.3207, 0.3163



82.5925, 0.3223, 0.3141



84.2965, 0.3284, 0.3279



18.1521, 0.3209, 0.3162



12.1051, 0.4782, 0.2408



1.2007, 0.4553, 0.2282



# Previews

## White Background



This preview shows how the Yxy color 94.9197, 0.3054, 0.3420 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

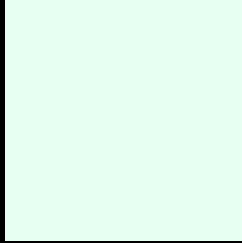
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.9197, 0.3054, 0.3420 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

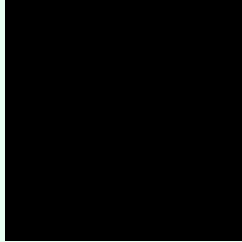
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

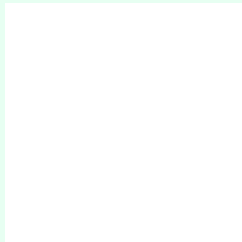
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 94.9197, 0.3054, 0.3420**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.9197, 0.3054, 0.3420.

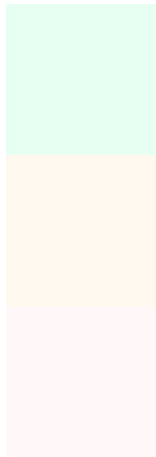


This preview shows how white text looks on a background with the Yxy color 94.9197, 0.3054, 0.3420.

# 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

94.9197, 0.3054, 0.3420

### Protanopia

94.6268, 0.3226, 0.3377

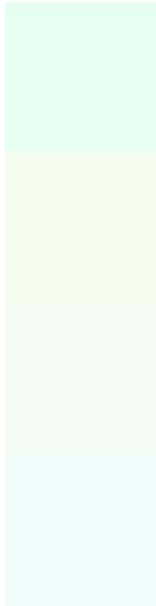
### Deuteranopia

94.5588, 0.3172, 0.3281

## **Tritanopia**

94.5642, 0.3073, 0.3232

# Trichromacy



## Original Color

94.9197, 0.3054, 0.3420

## Protanomaly

94.8785, 0.3160, 0.3398

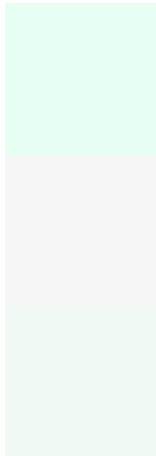
## Deuteranomaly

94.6179, 0.3125, 0.3329

## Tritanomaly

94.5973, 0.3071, 0.3300

# Monochromacy



## Original Color

94.9197, 0.3054, 0.3420

## Achromatopsia

92.1582, 0.3127, 0.3290

## Achromatomaly

93.0447, 0.3100, 0.3329

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.9197, 0.3054, 0.3420 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(231, 255, 242)` looks like.

```
.text, #text, p{  
    color:rgb(231, 255, 242)  
}
```

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(231, 255, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 94.9197, 0.3054, 0.3420 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(231, 255, 242) }
```

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

```
.border{ border-color:rgb(231, 255, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 255, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 255, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 255, 242);  
box-shadow:4px 4px 4px 4px rgb(231, 255,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.9197, 0.3054, 0.3420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 255, 242) }
```

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

```
.background{ background-color: rgb(231,  
255, 242) }
```

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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