

# Converting Colors

$Y_{xy}(106.5419, 0.3092, 0.3678)$

Have a look what the booklet for  
Yxy(106.5419, 0.3092, 0.3678)  
contains.

<b>Yxy(94.4494, 0.3099, 0.3502)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(94.4494, 0.3099, 0.3502)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7FFEA
RGB	231, 255, 234
RGB Percent	91%, 100%, 92%
CMY	0.0939, 0.0000, 0.0823
CMYK	0.09, 0.00, 0.08, 0.00
HSL	127°, 100%, 95%
HSV	127°, 9%, 100%
XYZ	83.5804, 94.4494, 91.6715
YIQ	245.4300, -7.5630, -11.6190

# Conversions

## Conversions Part 2

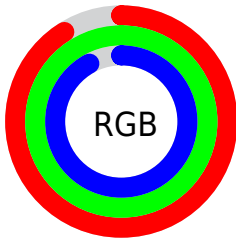
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	231, 252, 255
Decimal	15204330
CIE <sub>Lab</sub>	97.81, -11.55, 7.38
CIE <sub>LCh</sub>	98, 13.702, 147.426
Y <sub>xy</sub>	94.4494, 0.3099, 0.3502
Android (android.graphics.Color)	4293394410 (0xFFE7FFE7)
Y <sub>UV</sub>	245.4300, -5.6350, -12.6551
Hunter-Lab	97.1851, -16.5616, 12.1033

# Details

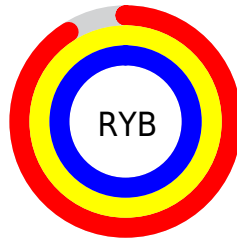
The Yxy color **94.4494, 0.3099, 0.3502** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **85.4734, 0.3157, 0.3087**, and the grayscale version is **91.7357, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.7165, 0.3092, 0.3550** is the 20% darker color. If you saturate the color by 10%, you get **89.3085, 0.3068, 0.3757**, and if you desaturate by 10%, it is **99.9939, 0.3127, 0.3290**.

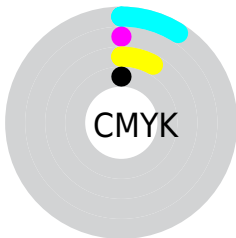
# Distribution



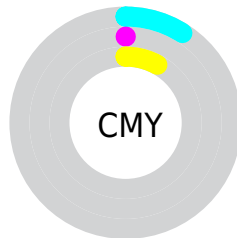
- Red (91%)
- Green (100%)
- Blue (92%)



- Red (91%)
- Yellow (99%)
- Blue (100%)



- Cyan (9%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)




- Cyan (9%)
- Magenta (0%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.4494, 0.3099, 0.3502 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 94.4494, 0.3099, 0.3502 by changing the saturation by 10% instead.



 94.4494, 0.3099,  
0.3502

 94.4494, 0.3099,  
0.3502

542.4008, 0.3112,  
0.3407

 71.6768, 0.3096,  
0.3523


153.5037, 0.3104,  
0.3470

 52.8947, 0.3092,  
0.3549

190.5542, 0.3105,  
0.3457

 37.7187, 0.3087,  
0.3581


233.1328, 0.3107,  
0.3446

 25.7644, 0.3081,  
0.3622


281.6238, 0.3108,  
0.3436

 16.6475, 0.3073,  
0.3677

336.4118, 0.3109,  
0.3427

 9.9835, 0.3060,  
0.3753

397.8810, 0.3110,

 5.3880, 0.3041,

0.3420

0.3866

466.4159, 0.3111,  
0.3413

■ 2.4767, 0.3007,  
0.4053

■ 0.8649, 0.2950,  
0.4723

■ 94.4494, 0.3099,  
0.3502

■ 94.4494, 0.3099,  
0.3502

■ 89.3085, 0.3068,  
0.3757

99.9939, 0.3127,  
0.3290

■ 84.9113, 0.3038,  
0.4042

■ 81.2268, 0.3009,  
0.4352

■ 78.2173, 0.2984,  
0.4678

■ 75.8416, 0.2966,  
0.5005

■ 74.0538, 0.2955,  
0.5312

■ 72.8021, 0.2955,  
0.5579

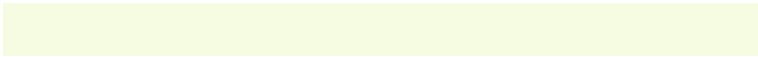
■ 72.0251, 0.2964,  
0.5784

■ 71.6327, 0.2978,  
0.5919

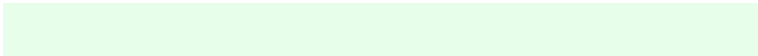
# Harmonies

## Analogous

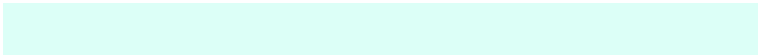
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.4494, 0.3250, 0.3555



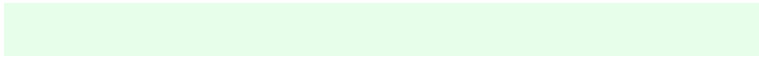
94.4494, 0.3099, 0.3502



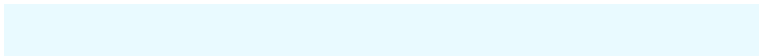
94.4494, 0.2958, 0.3388

# Triad

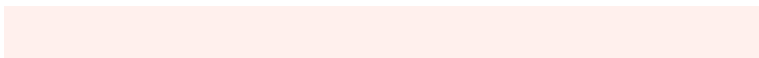
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



94.4494, 0.3099, 0.3502



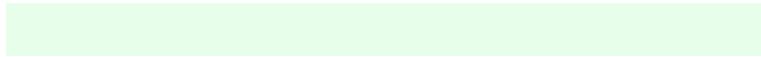
94.4494, 0.2887, 0.3049



94.4494, 0.3398, 0.3322

# Complementary

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



94.4494, 0.3099, 0.3502



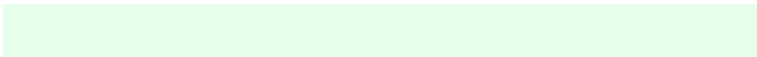
85.4734, 0.3157, 0.3087

# 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.



94.4494, 0.3297, 0.3193



94.4494, 0.3099, 0.3502



94.4494, 0.3000, 0.3038

# Square

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



94.4494, 0.3099, 0.3502



94.4494, 0.2838, 0.3124



94.4494, 0.3150, 0.3091

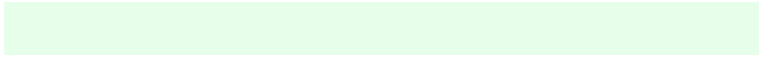


94.4494, 0.3426, 0.3446



# Rectangle

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



94.4494, 0.3099, 0.3502



94.4494, 0.2888, 0.3295



94.4494, 0.3150, 0.3091



94.4494, 0.3372, 0.3278

# Sweetspot

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



94.4534, 0.3099, 0.3502



98.1534, 0.3118, 0.3355



98.0192, 0.3249, 0.3523



20.9058, 0.3116, 0.3373



0.0000, 0.0000, 0.0000

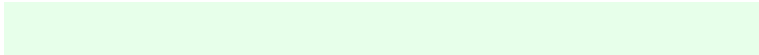


21.4041, 0.3127, 0.3290

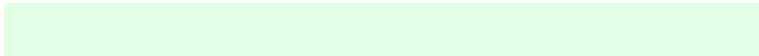


# Same Dimension

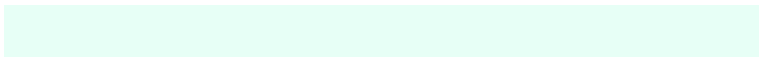
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.4534, 0.3099, 0.3502



93.5788, 0.3094, 0.3541



95.1550, 0.3033, 0.3381



20.2046, 0.3099, 0.3505



37.4349, 0.2975, 0.5909



3.6559, 0.2932, 0.5756



# Inverse Universe

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



85.4734, 0.3157, 0.3087



83.1702, 0.3162, 0.3051



84.7476, 0.3232, 0.3200



18.2596, 0.3157, 0.3084



13.9241, 0.3548, 0.1728



1.3661, 0.3503, 0.1704



# Previews

## White Background



This preview shows how the Yxy color 94.4494, 0.3099, 0.3502 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

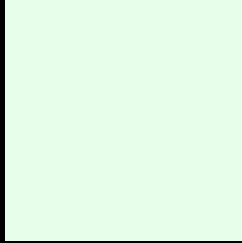
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.4494, 0.3099, 0.3502 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

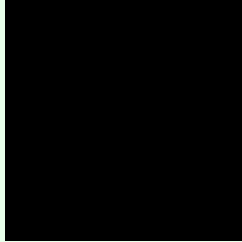
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

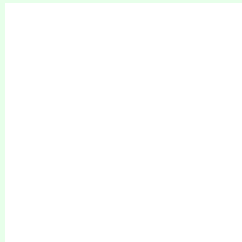
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 94.4494, 0.3099, 0.3502**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.4494, 0.3099, 0.3502.

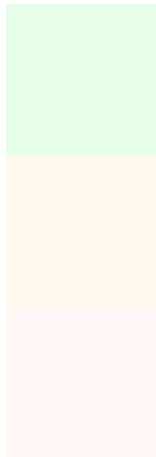


This preview shows how white text looks on a background with the Yxy color 94.4494, 0.3099, 0.3502.

# 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

94.4494, 0.3099, 0.3502

### Protanopia

94.3930, 0.3250, 0.3417

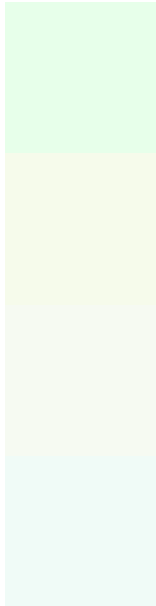
### Deuteranopia

94.4353, 0.3185, 0.3300

## Tritanopia

94.3838, 0.3067, 0.3232

# Trichromacy



## Original Color

94.4494, 0.3099, 0.3502

## Protanomaly

94.5853, 0.3190, 0.3448

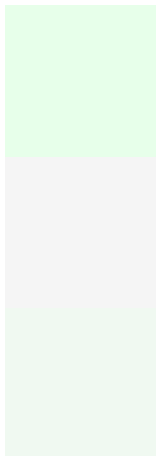
## Deuteranomaly

94.3748, 0.3149, 0.3369

## Tritanomaly

94.2350, 0.3082, 0.3329

# Monochromacy



## Original Color

94.4494, 0.3099, 0.3502

## Achromatopsia

91.3099, 0.3127, 0.3290

## Achromatomaly

92.6275, 0.3117, 0.3370

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.4494, 0.3099, 0.3502 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, 234)` looks like.

```
.text, #text, p{  
    color:rgb(231, 255, 234)  
}
```

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, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 255, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 94.4494, 0.3099, 0.3502 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, 234) }
```

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

```
.border{ border-color:rgb(231, 255, 234) }
```

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, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(231, 255,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.4494, 0.3099, 0.3502 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, 234) }
```

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

```
.background{ background-color: rgb(231,  
255, 234) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor