

# Converting Colors

$Yxy(94.9052, 0.3076, 0.3450)$

Have a look what the booklet for  
Yxy(94.9052, 0.3076, 0.3450)  
contains.

<b>Yxy(94.9078, 0.3077, 0.3451)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(94.9078, 0.3077, 0.3451)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8FFEF
RGB	232, 255, 239
RGB Percent	91%, 100%, 94%
CMY	0.0900, 0.0000, 0.0629
CMYK	0.09, 0.00, 0.06, 0.00
HSL	138°, 100%, 95%
HSV	138°, 9%, 100%
XYZ	84.6222, 94.9078, 95.4853
YIQ	246.2990, -8.5720, -9.8520

# Conversions

## Conversions Part 2

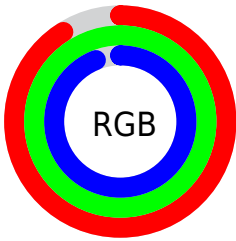
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 250, 255
Decimal	15269871
CIE Lab	98.00, -10.36, 5.11
CIE LCh	98, 11.549, 153.737
Yxy	94.9078, 0.3077, 0.3451
Android (android.graphics.Color)	4293459951 (0xFFE8FFE8)
YUV	246.2990, -3.5984, -12.5402
Hunter-Lab	97.4206, -15.4361, 10.0823

# Details

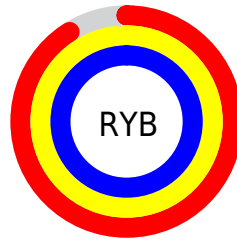
The Yxy color **94.9078, 0.3077, 0.3451** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.7773, 0.3181, 0.3134**, and the grayscale version is **92.4534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **53.0372, 0.3064, 0.3483** is the 20% darker color. If you saturate the color by 10%, you get **89.9469, 0.3022, 0.3652**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

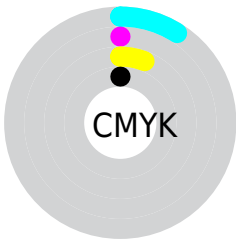
# Distribution



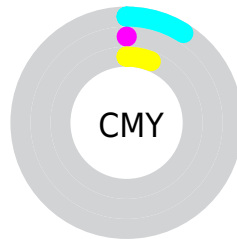
- Red (91%)
- Green (100%)
- Blue (94%)



- Red (91%)
- Yellow (98%)
- Blue (100%)



- Cyan (9%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)



- Cyan (9%)
- Magenta (0%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.9078, 0.3077, 0.3451 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 94.9078, 0.3077, 0.3451 by changing the saturation by 10% instead.




 94.9078, 0.3077,  
0.3451

 94.9078, 0.3077,  
0.3451

543.8698, 0.3100,  
0.3379

 72.0582, 0.3072,  
0.3467

154.1372, 0.3085,  
0.3427

 53.2063, 0.3066,  
0.3486


191.2859, 0.3088,  
0.3417

 37.9674, 0.3058,  
0.3510


233.9697, 0.3090,  
0.3409

 25.9574, 0.3048,  
0.3541

282.5730, 0.3093,  
0.3401

 16.7918, 0.3035,  
0.3582

337.4803, 0.3095,  
0.3395

 10.0862, 0.3017,  
0.3639

399.0759, 0.3097,

 5.4561, 0.2990,

0.3389

0.3723

467.7443, 0.3098,  
0.3384

■ 2.5173, 0.2944,  
0.3860

■ 0.8853, 0.2829,  
0.4255

■ 94.9078, 0.3077,  
0.3451

■ 94.9078, 0.3077,  
0.3451


■ 89.9469, 0.3022,  
0.3652

100.0000, 0.3127,  
0.3290


■ 85.6756, 0.2969,  
0.3875


■ 82.0661, 0.2921,  
0.4120


■ 79.0844, 0.2881,  
0.4381

 76.6933, 0.2853,  
0.4652

 74.8514, 0.2839,  
0.4923

 73.5119, 0.2841,  
0.5181

 72.6197, 0.2860,  
0.5413

 72.0951, 0.2893,  
0.5608

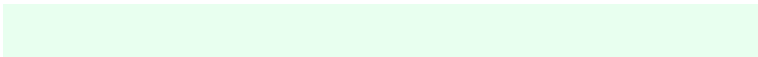
# Harmonies

## Analogous

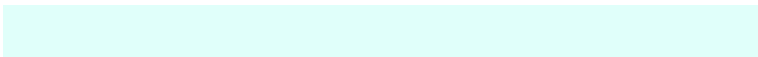
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.9078, 0.3205, 0.3508



94.9078, 0.3077, 0.3451



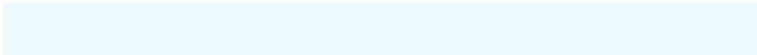
94.9078, 0.2964, 0.3348

# Triad

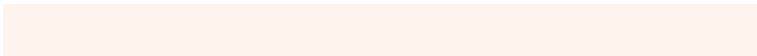
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



94.9078, 0.3077, 0.3451



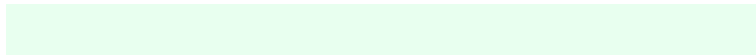
94.9078, 0.2941, 0.3080



94.9078, 0.3366, 0.3341

# Complementary

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



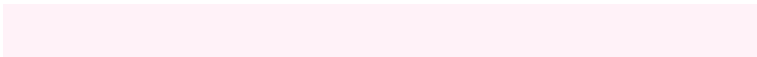
94.9078, 0.3077, 0.3451



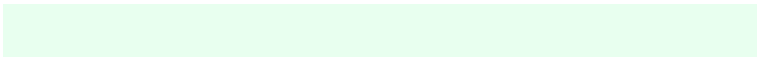
85.7773, 0.3181, 0.3134

# 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.



94.9078, 0.3292, 0.3231



94.9078, 0.3077, 0.3451



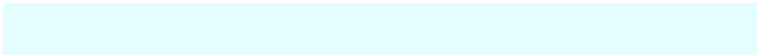
94.9078, 0.3046, 0.3082

# Square

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



94.9078, 0.3077, 0.3451



94.9078, 0.2886, 0.3134



94.9078, 0.3174, 0.3137



94.9078, 0.3374, 0.3441

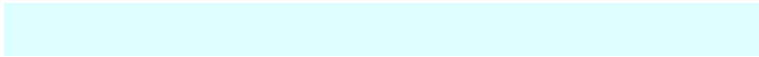


# Rectangle

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



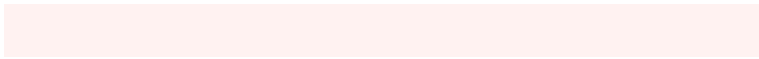
94.9078, 0.3077, 0.3451



94.9078, 0.2911, 0.3270



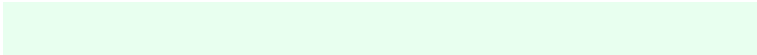
94.9078, 0.3174, 0.3137



94.9078, 0.3348, 0.3304

# Sweetspot

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



94.9117, 0.3077, 0.3451



98.2383, 0.3110, 0.3342



97.3252, 0.3217, 0.3515



20.9287, 0.3106, 0.3356



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

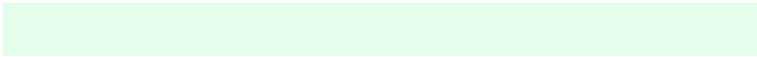


# Same Dimension

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



94.9117, 0.3077, 0.3451



93.8641, 0.3066, 0.3489



95.6100, 0.3013, 0.3335



20.2582, 0.3074, 0.3461



37.6724, 0.2888, 0.5597



3.6864, 0.2826, 0.5374



# Inverse Universe

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



85.7773, 0.3181, 0.3134



82.8584, 0.3194, 0.3099



85.0878, 0.3255, 0.3245



18.2016, 0.3184, 0.3125



12.8197, 0.4154, 0.2062



1.2676, 0.4019, 0.1988



# Previews

## White Background



This preview shows how the Yxy color 94.9078, 0.3077, 0.3451 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

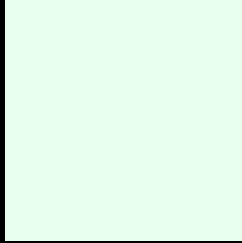
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.9078, 0.3077, 0.3451 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

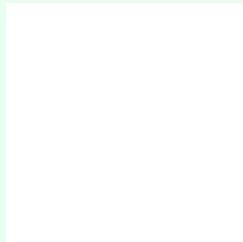
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 94.9078, 0.3077, 0.3451**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.9078, 0.3077, 0.3451.

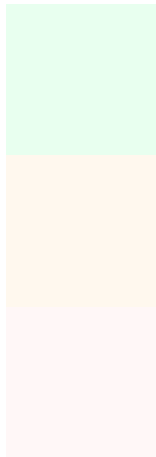


This preview shows how white text looks on a background with the Yxy color 94.9078, 0.3077, 0.3451.

# 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

94.9078, 0.3077, 0.3451

### Protanopia

94.5678, 0.3232, 0.3387

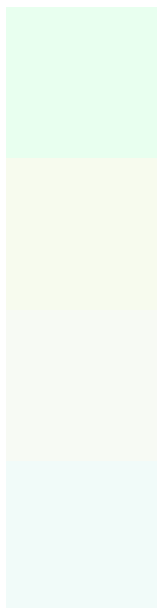
### Deuteranopia

94.4969, 0.3178, 0.3290

## Tritanopia

94.5642, 0.3073, 0.3232

# Trichromacy



## Original Color

94.9078, 0.3077, 0.3451

## Protanomaly

94.9416, 0.3178, 0.3418

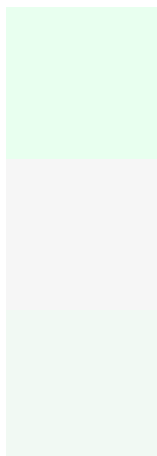
## Deuteranomaly

94.6770, 0.3143, 0.3349

## Tritanomaly

94.5347, 0.3076, 0.3310

# Monochromacy



## Original Color

94.9078, 0.3077, 0.3451

## Achromatopsia

92.1582, 0.3127, 0.3290

## Achromatomaly

92.9232, 0.3112, 0.3349

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.9078, 0.3077, 0.3451 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(232, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(232, 255, 239)  
}
```

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(232, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 255, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 94.9078, 0.3077, 0.3451 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(232, 255, 239) }
```

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

```
.border{ border-color:rgb(232, 255, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(232, 255,  
239) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.9078, 0.3077, 0.3451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 255, 239) }
```

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

```
.background{ background-color: rgb(232,  
255, 239) }
```

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