

# Converting Colors

$Y_{xy}(100.0000, 0.3050, 0.3557)$

Have a look what the booklet for  
Yxy(100.0000, 0.3050, 0.3557)  
contains.

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# Color

**Yxy(94.0239, 0.3052, 0.3462)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3FFEE
RGB	227, 255, 238
RGB Percent	89%, 100%, 93%
CMY	0.1095, 0.0001, 0.0666
CMYK	0.11, 0.00, 0.07, 0.00
HSL	144°, 100%, 95%
HSV	144°, 11%, 100%
XYZ	82.8888, 94.0239, 94.6757
YIQ	244.6900, -11.2310, -11.2230

# Conversions

## Conversions Part 2

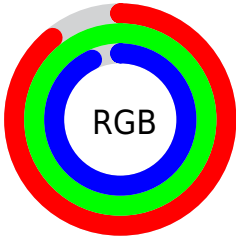
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 247, 255
Decimal	14942190
CIE Lab	97.64, -12.13, 5.04
CIE LCh	98, 13.139, 157.440
Yxy	94.0239, 0.3052, 0.3462
Android (android.graphics.Color)	4293132270 (0xFFE3FFEE)
YUV	244.6900, -3.2982, -15.5141
Hunter-Lab	96.9659, -17.1043, 9.9865

# Details

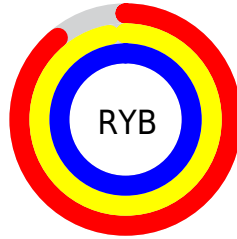
The Yxy color **94.0239, 0.3052, 0.3462** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.7698, 0.3210, 0.3124**, and the grayscale version is **91.0944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.4235, 0.3032, 0.3499** is the 20% darker color. If you saturate the color by 10%, you get **89.3097, 0.2985, 0.3639**, and if you desaturate by 10%, it is **99.4386, 0.3121, 0.3304**.

# Distribution



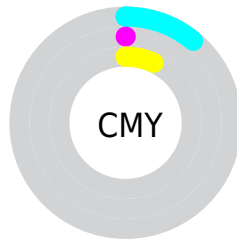
- Red (89%)
- Green (100%)
- Blue (93%)



- Red (89%)
- Yellow (97%)
- Blue (100%)



- Cyan (11%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (11%)
- Magenta (0%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.0239, 0.3052, 0.3462 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 94.0239, 0.3052, 0.3462 by changing the saturation by 10% instead.



 94.0239, 0.3052,  
0.3462

 94.0239, 0.3052,  
0.3462


541.0354, 0.3086,  
0.3385

 71.3228, 0.3045,  
0.3479


152.9154, 0.3064,  
0.3436

 52.6057, 0.3035,  
0.3500


189.8746, 0.3068,  
0.3425

 37.4881, 0.3024,  
0.3526


232.3553, 0.3072,  
0.3416

 25.5856, 0.3009,  
0.3559

280.7420, 0.3075,  
0.3409

 16.5139, 0.2990,  
0.3603

335.4189, 0.3078,  
0.3402

 9.8885, 0.2963,  
0.3665

396.7705, 0.3081,

 5.3251, 0.2923,

0.3396

0.3756

465.1812, 0.3084,  
0.3390

■ 2.4393, 0.2856,  
0.3906

■ 0.8460, 0.2642,  
0.4400

■ 94.0239, 0.3052,  
0.3462

■ 94.0239, 0.3052,  
0.3462

■ 89.3097, 0.2985,  
0.3639

99.4386, 0.3121,  
0.3304

■ 85.2553, 0.2922,  
0.3836

99.9915, 0.3127,  
0.3290

■ 81.8336, 0.2866,  
0.4050

■ 79.0113, 0.2819,  
0.4279

■ 76.7517, 0.2787,  
0.4517

■ 75.0140, 0.2771,  
0.4758

■ 73.7515, 0.2775,  
0.4992

■ 72.9086, 0.2797,  
0.5209

■ 72.4301, 0.2829,  
0.5385

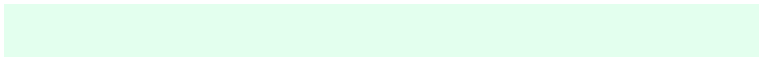
# Harmonies

## Analogous

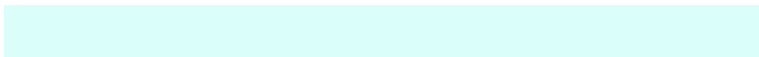
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.0239, 0.3198, 0.3535



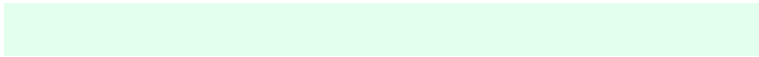
94.0239, 0.3052, 0.3462



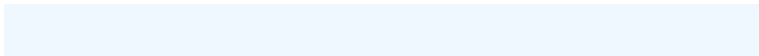
94.0239, 0.2928, 0.3340

# Triad

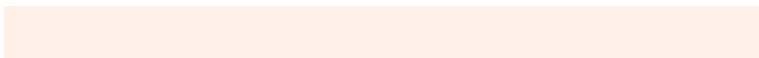
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



94.0239, 0.3052, 0.3462



94.0239, 0.2927, 0.3048



94.0239, 0.3405, 0.3363

# Complementary

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



94.0239, 0.3052, 0.3462



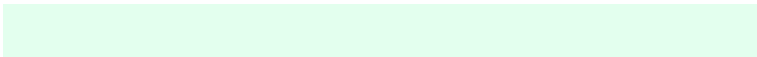
82.7698, 0.3210, 0.3124

# 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.



94.0239, 0.3329, 0.3237



94.0239, 0.3052, 0.3462



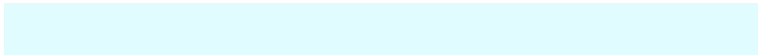
94.0239, 0.3051, 0.3058

# Square

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



94.0239, 0.3052, 0.3462



94.0239, 0.2857, 0.3100



94.0239, 0.3199, 0.3127



94.0239, 0.3404, 0.3474



# Rectangle

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



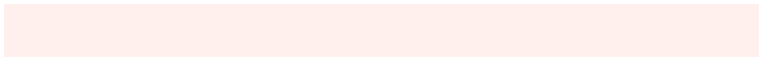
94.0239, 0.3052, 0.3462



94.0239, 0.2873, 0.3250



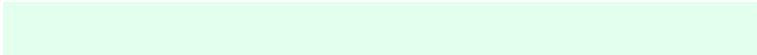
94.0239, 0.3199, 0.3127



94.0239, 0.3388, 0.3321

# Sweetspot

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



94.0279, 0.3052, 0.3462



98.2818, 0.3107, 0.3335



96.3459, 0.3222, 0.3567



20.9404, 0.3101, 0.3347



0.0000, 0.0000, 0.0000

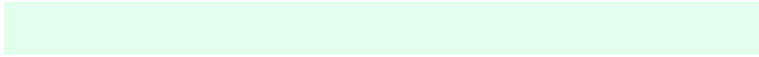


21.4041, 0.3127, 0.3290

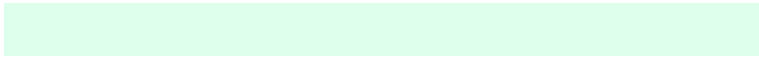


# Same Dimension

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



94.0279, 0.3052, 0.3462



93.0149, 0.3038, 0.3497



94.8654, 0.2976, 0.3322



20.2860, 0.3062, 0.3438



37.8780, 0.2821, 0.5355



3.7088, 0.2758, 0.5128



# Inverse Universe

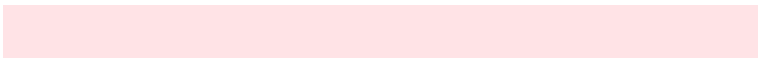
The Inverse Universe completely reimagines the original color for something new.



82.7698, 0.3210, 0.3124



79.8343, 0.3228, 0.3092



81.9670, 0.3301, 0.3258



18.1727, 0.3199, 0.3146



12.3769, 0.4511, 0.2259

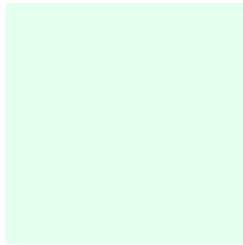


1.2266, 0.4322, 0.2154



# Previews

## White Background



This preview shows how the Yxy color 94.0239, 0.3052, 0.3462 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

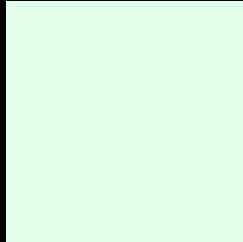
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.0239, 0.3052, 0.3462 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

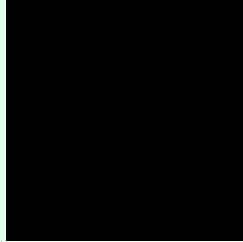
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

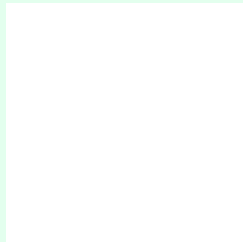
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 94.0239, 0.3052, 0.3462**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.0239, 0.3052, 0.3462.

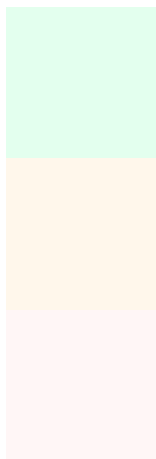


This preview shows how white text looks on a background with the Yxy color 94.0239, 0.3052, 0.3462.

# 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

94.0239, 0.3052, 0.3462

### Protanopia

93.7797, 0.3251, 0.3407

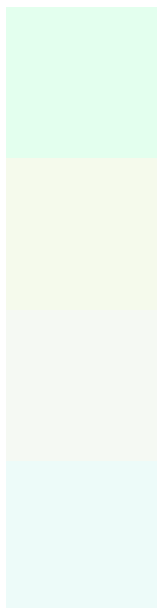
### Deuteranopia

93.8254, 0.3185, 0.3290

## **Tritanopia**

94.0260, 0.3055, 0.3231

# Trichromacy



## Original Color

94.0239, 0.3052, 0.3462

## Protanomaly

93.8398, 0.3178, 0.3428

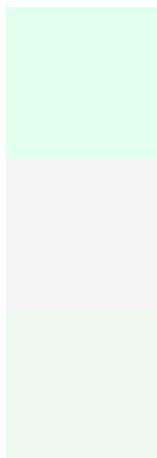
## Deuteranomaly

93.6349, 0.3137, 0.3349

## Tritanomaly

93.8384, 0.3052, 0.3310

# Monochromacy



## Original Color

94.0239, 0.3052, 0.3462

## Achromatopsia

91.3099, 0.3127, 0.3290

## Achromatomaly

92.3393, 0.3099, 0.3360

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  94.0239, 0.3052, 0.3462 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(227, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 238)  
}
```

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(227, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 94.0239, 0.3052, 0.3462 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(227, 255, 238) }
```

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

```
.border{ border-color:rgb(227, 255, 238) }
```

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

Here you see how a box with a 4 pixel rgb(227, 255, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.0239, 0.3052, 0.3462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 255, 238) }
```

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

```
.background{ background-color: rgb(227,  
255, 238) }
```

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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