

# Converting Colors

$Yxy(94.8625, 0.2975, 0.3321)$

Have a look what the booklet for  
Yxy(94.8625, 0.2975, 0.3321)  
contains.

<b>Yxy(94.8792, 0.2974, 0.3320)</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(94.8792, 0.2974, 0.3320)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3FFFC
RGB	227, 255, 252
RGB Percent	89%, 100%, 99%
CMY	0.1100, 0.0000, 0.0118
CMYK	0.11, 0.00, 0.01, 0.00
HSL	174°, 100%, 94%
HSV	174°, 11%, 100%
XYZ	84.9912, 94.8792, 105.9103
YIQ	246.2860, -15.7250, -6.8690

# Conversions

## Conversions Part 2

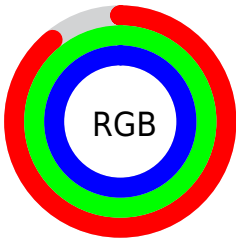
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 242, 255
Decimal	14942204
CIE Lab	97.99, -9.61, -1.64
CIE LCh	98, 9.748, 189.667
Yxy	94.8792, 0.2974, 0.3320
Android (android.graphics.Color)	4293132284 (0xFFE3FFFC)
YUV	246.2860, 2.8170, -16.9138
Hunter-Lab	97.4060, -14.7109, 3.7176

# Details

The Yxy color **94.8792, 0.2974, 0.3320** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.8748, 0.3304, 0.3261**, and the grayscale version is **92.3700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.9862, 0.2942, 0.3328** is the 20% darker color. If you saturate the color by 10%, you get **90.8523, 0.2843, 0.3350**, and if you desaturate by 10%, it is **99.4994, 0.3113, 0.3293**.

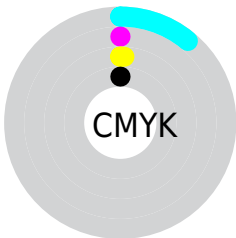
# Distribution



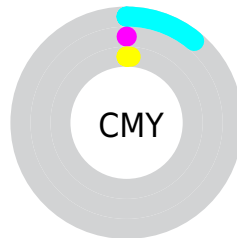
- Red (89%)
- Green (100%)
- Blue (99%)



- Red (89%)
- Yellow (95%)
- Blue (100%)



- Cyan (11%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)




- Cyan (11%)
- Magenta (0%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.8792, 0.2974, 0.3320 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 94.8792, 0.2974, 0.3320 by changing the saturation by 10% instead.



 94.8792, 0.2974,  
0.3320

 94.8792, 0.2974,  
0.3320


543.7782, 0.3041,  
0.3307

 72.0344, 0.2959,  
0.3323


154.0977, 0.2997,  
0.3316

 53.1868, 0.2942,  
0.3326

191.2402, 0.3006,  
0.3314

 37.9519, 0.2920,  
0.3330


233.9175, 0.3014,  
0.3312

 25.9454, 0.2892,  
0.3335

282.5138, 0.3021,  
0.3311

 16.7828, 0.2856,  
0.3342

337.4137, 0.3027,  
0.3310

 10.0797, 0.2806,  
0.3350

399.0014, 0.3032,

 5.4519, 0.2734,

0.3309

467.6615, 0.3037,  
0.3308

0.3362

2.5147, 0.2621,  
0.3381

0.8840, 0.2356,  
0.3438

94.8792, 0.2974,  
0.3320

94.8792, 0.2974,  
0.3320

90.8523, 0.2843,  
0.3350

99.4994, 0.3113,  
0.3293

87.4266, 0.2721,  
0.3382

100.0000, 0.3127,  
0.3290

84.5616, 0.2614,  
0.3416

82.2260, 0.2522,  
0.3452

■ 80.3852, 0.2449,  
0.3488

■ 79.0009, 0.2394,  
0.3526

■ 78.0286, 0.2360,  
0.3564

■ 77.4155, 0.2344,  
0.3601

■ 77.0963, 0.2343,  
0.3634

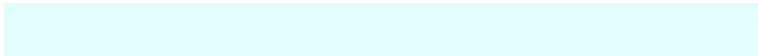
# Harmonies

## Analogous

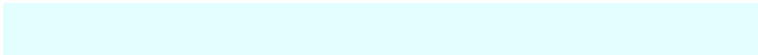
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.8792, 0.3064, 0.3411



94.8792, 0.2974, 0.3320



94.8792, 0.2925, 0.3223

# Triad

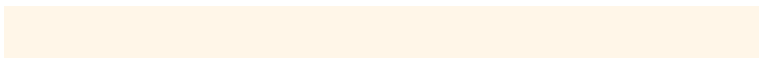
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



94.8792, 0.2974, 0.3320



94.8792, 0.3079, 0.3120



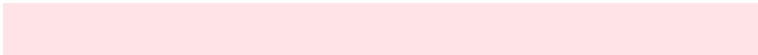
94.8792, 0.3330, 0.3432

# Complementary

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



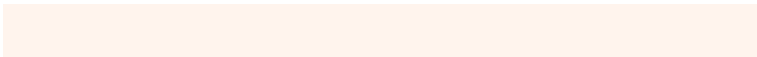
94.8792, 0.2974, 0.3320



81.8748, 0.3304, 0.3261

# 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.



94.8792, 0.3334, 0.3352



94.8792, 0.2974, 0.3320



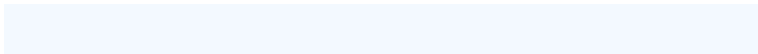
94.8792, 0.3188, 0.3174

# Square

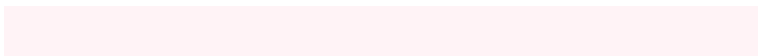
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



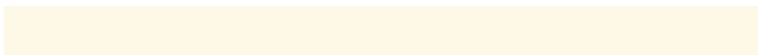
94.8792, 0.2974, 0.3320



94.8792, 0.2985, 0.3109



94.8792, 0.3282, 0.3258

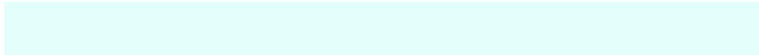


94.8792, 0.3270, 0.3475

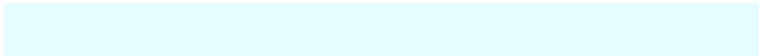


# Rectangle

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



94.8792, 0.2974, 0.3320



94.8792, 0.2921, 0.3168



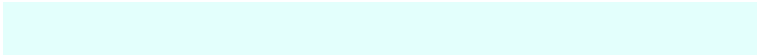
94.8792, 0.3282, 0.3258



94.8792, 0.3338, 0.3408

# Sweetspot

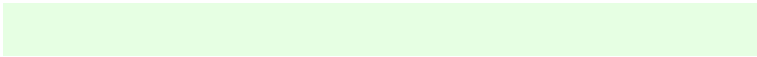
The Sweet Spot groups the original color and five complimentary colors.



94.8676, 0.2974, 0.3320



98.5249, 0.3085, 0.3298



93.9206, 0.3134, 0.3576



21.0061, 0.3073, 0.3300



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

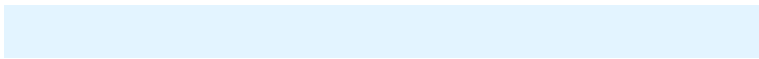
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.8676, 0.2974, 0.3320



94.0182, 0.2947, 0.3326



88.3882, 0.2956, 0.3181



20.4458, 0.2994, 0.3316



40.2981, 0.2341, 0.3628



3.9329, 0.2329, 0.3586



# Inverse Universe

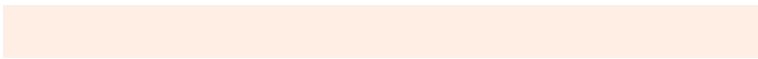
The Inverse Universe completely reimagines the original color for something new.



81.8748, 0.3304, 0.3261



78.8820, 0.3341, 0.3255



87.7741, 0.3312, 0.3397



18.0189, 0.3277, 0.3265



11.1614, 0.6276, 0.3231



1.0967, 0.6053, 0.3108



# Previews

## White Background



This preview shows how the Yxy color 94.8792, 0.2974, 0.3320 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

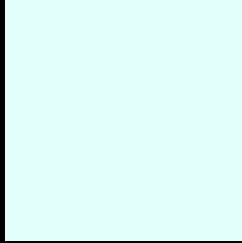
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.8792, 0.2974, 0.3320 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

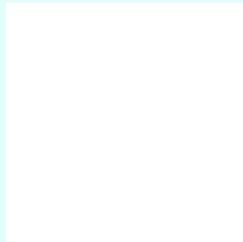
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 94.8792, 0.2974, 0.3320**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.8792, 0.2974, 0.3320.



This preview shows how white text looks on a background with the Yxy color 94.8792, 0.2974, 0.3320.

# Color Blindness Simulation

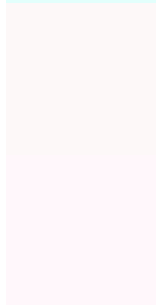
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

94.8792, 0.2974, 0.3320



### Protanopia

94.7948, 0.3159, 0.3290

### Deuteranopia

94.7466, 0.3155, 0.3252

## **Tritanopia**

94.8243, 0.3061, 0.3241

# Trichromacy



## Original Color

94.8792, 0.2974, 0.3320

## Protanomaly

95.0670, 0.3095, 0.3309

## Deuteranomaly

94.7487, 0.3090, 0.3280

## Tritanomaly

94.9537, 0.3029, 0.3270

# Monochromacy



## Original Color

94.8792, 0.2974, 0.3320

## Achromatopsia

92.1582, 0.3127, 0.3290

## Achromatomaly

92.8794, 0.3070, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.8792, 0.2974, 0.3320 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, 252)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 252)  
}
```

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, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 94.8792, 0.2974, 0.3320 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, 252) }
```

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

```
.border{ border-color:rgb(227, 255, 252) }
```

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, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 252);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
252) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.8792, 0.2974, 0.3320 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, 252) }
```

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

```
.background{ background-color: rgb(227,  
255, 252) }
```

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