

# Converting Colors

$Yxy(93.9213, 0.2978, 0.3371)$

Have a look what the booklet for  
Yxy(93.9213, 0.2978, 0.3371)  
contains.

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# Color

**Yxy(93.9234, 0.2978, 0.3371)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFFFF7
RGB	223, 255, 247
RGB Percent	87%, 100%, 97%
CMY	0.1255, 0.0000, 0.0315
CMYK	0.13, 0.00, 0.03, 0.00
HSL	165°, 100%, 94%
HSV	165°, 13%, 100%
XYZ	82.9736, 93.9234, 101.7248
YIQ	244.5200, -16.5040, -9.2720

# Conversions

## Conversions Part 2

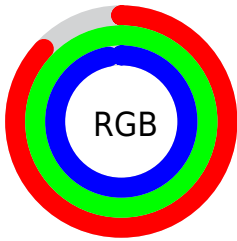
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 241, 255
Decimal	14680055
CIE Lab	97.60, -11.80, 0.35
CIE LCh	98, 11.802, 178.318
Yxy	93.9234, 0.2978, 0.3371
Android (android.graphics.Color)	4292870135 (0xFFDFFF7)
YUV	244.5200, 1.2226, -18.8730
Hunter-Lab	96.9141, -16.7758, 5.6068

# Details

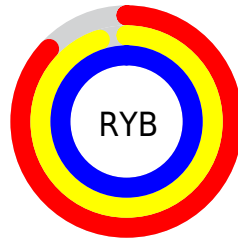
The Yxy color **93.9234, 0.2978, 0.3371** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.8019, 0.3301, 0.3211**, and the grayscale version is **90.8994, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.4746, 0.2947, 0.3380** is the 20% darker color. If you saturate the color by 10%, you get **89.7821, 0.2866, 0.3443**, and if you desaturate by 10%, it is **98.6818, 0.3096, 0.3306**.

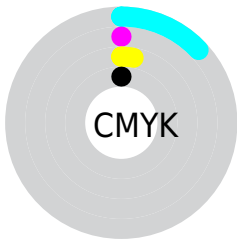
# Distribution



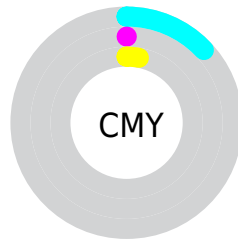
- Red (87%)
- Green (100%)
- Blue (97%)



- Red (87%)
- Yellow (95%)
- Blue (100%)



- Cyan (13%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)




- Cyan (13%)
- Magenta (0%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.9234, 0.2978, 0.3371 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 93.9234, 0.2978, 0.3371 by changing the saturation by 10% instead.




 93.9234, 0.2978,  
0.3371

 93.9234, 0.2978,  
0.3371

540.7126, 0.3044,  
0.3335

 71.2392, 0.2964,  
0.3379

152.7764, 0.3000,  
0.3359

 52.5375, 0.2946,  
0.3388


189.7140, 0.3009,  
0.3354

 37.4337, 0.2925,  
0.3400


232.1716, 0.3017,  
0.3350

 25.5434, 0.2897,  
0.3415

280.5335, 0.3024,  
0.3346

 16.4824, 0.2861,  
0.3435

335.1842, 0.3030,  
0.3343

 9.8661, 0.2811,  
0.3462

396.5080, 0.3035,

 5.3103, 0.2739,

0.3340

0.3501

464.8893, 0.3040,  
0.3338

■ 2.4305, 0.2625,  
0.3564

■ 0.8415, 0.2280,  
0.3748

■ 93.9234, 0.2978,  
0.3371

■ 93.9234, 0.2978,  
0.3371

■ 89.7821, 0.2866,  
0.3443

■ 98.6818, 0.3096,  
0.3306

■ 86.2402, 0.2762,  
0.3521

100.0000, 0.3127,  
0.3290


■ 83.2651, 0.2670,  
0.3605

■ 80.8249, 0.2593,  
0.3693

 78.8845, 0.2533,  
0.3785

 77.4044, 0.2493,  
0.3880

 76.3393, 0.2473,  
0.3975

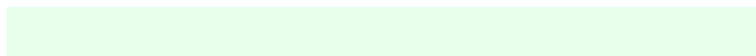
 75.6340, 0.2473,  
0.4069

 75.2823, 0.2483,  
0.4139

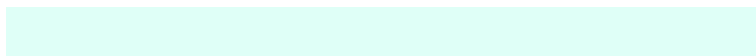
# Harmonies

## Analogous

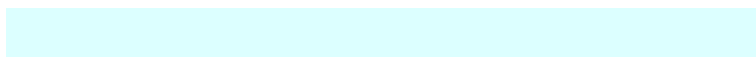
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.9234, 0.3099, 0.3470



93.9234, 0.2978, 0.3371



93.9234, 0.2897, 0.3251

# Triad

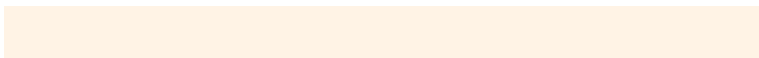
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.9234, 0.2978, 0.3371



93.9234, 0.3021, 0.3072



93.9234, 0.3384, 0.3428

# Complementary

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



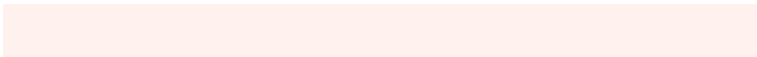
93.9234, 0.2978, 0.3371



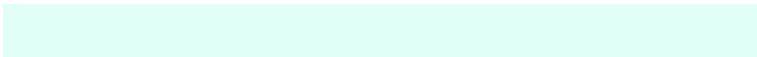
79.8019, 0.3301, 0.3211

# 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.



93.9234, 0.3363, 0.3322



93.9234, 0.2978, 0.3371



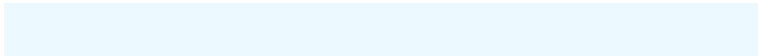
93.9234, 0.3151, 0.3119

# Square

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



93.9234, 0.2978, 0.3371



93.9234, 0.2922, 0.3081



93.9234, 0.3277, 0.3210

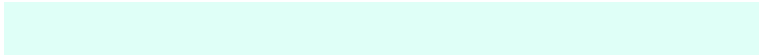


93.9234, 0.3335, 0.3501

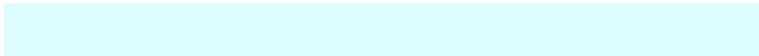


# Rectangle

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



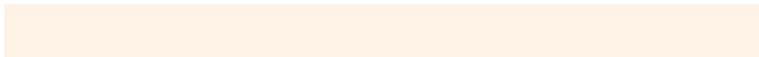
93.9234, 0.2978, 0.3371



93.9234, 0.2876, 0.3177



93.9234, 0.3277, 0.3210



93.9234, 0.3385, 0.3395

# Sweetspot

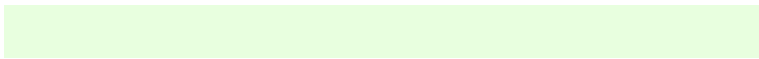
The Sweet Spot groups the original color and five complimentary colors.



93.9202, 0.2978, 0.3371



97.9528, 0.3079, 0.3315



93.9241, 0.3165, 0.3616



20.8860, 0.3070, 0.3319



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

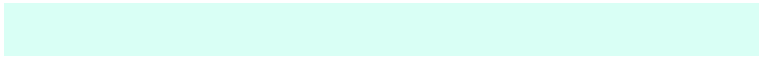


# Same Dimension

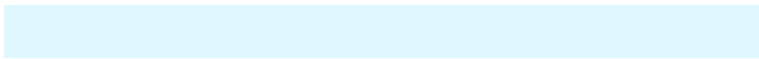
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.9202, 0.2978, 0.3371



92.8506, 0.2950, 0.3388



89.7538, 0.2933, 0.3214



20.3990, 0.3014, 0.3350



39.3619, 0.2479, 0.4123



3.8500, 0.2449, 0.4016



# Inverse Universe

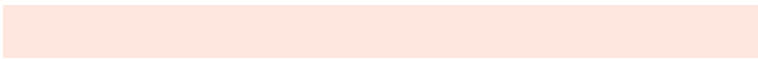
The Inverse Universe completely reimagines the original color for something new.



79.8019, 0.3301, 0.3211



76.2670, 0.3341, 0.3194



83.4376, 0.3347, 0.3365



18.0618, 0.3255, 0.3231



11.3221, 0.5933, 0.3042



1.1190, 0.5618, 0.2868



# Previews

## White Background



This preview shows how the Yxy color 93.9234, 0.2978, 0.3371 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

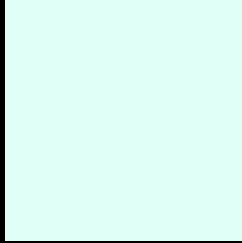
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.9234, 0.2978, 0.3371 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

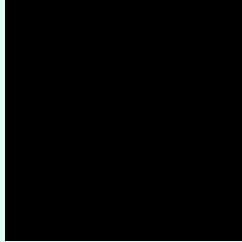
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

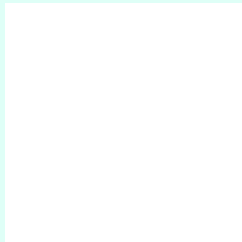
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 93.9234, 0.2978, 0.3371**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.9234, 0.2978, 0.3371.

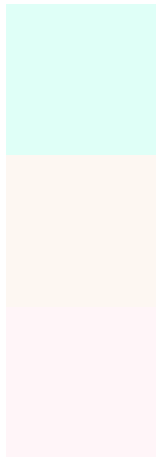


This preview shows how white text looks on a background with the Yxy color 93.9234, 0.2978, 0.3371.

# 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

93.9234, 0.2978, 0.3371

### Protanopia

93.8150, 0.3196, 0.3339

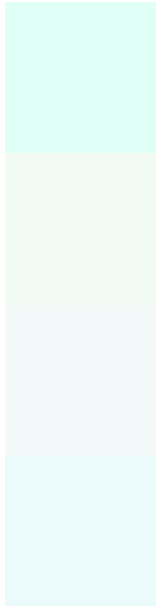
### Deuteranopia

93.3421, 0.3174, 0.3261

## Tritanopia

93.8486, 0.3049, 0.3231

# Trichromacy



## Original Color

93.9234, 0.2978, 0.3371

## Protanomaly

93.7801, 0.3112, 0.3349

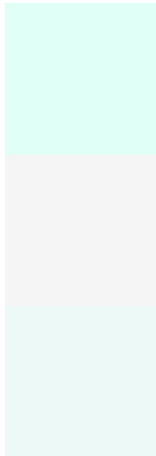
## Deuteranomaly

93.5834, 0.3095, 0.3300

## Tritanomaly

93.6848, 0.3022, 0.3280

# Monochromacy



## Original Color

93.9234, 0.2978, 0.3371

## Achromatopsia

91.3099, 0.3127, 0.3290

## Achromatomaly

92.4097, 0.3069, 0.3320

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.9234, 0.2978, 0.3371 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(223, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(223, 255, 247)  
}
```

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(223, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 93.9234, 0.2978, 0.3371 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(223, 255, 247) }
```

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

```
.border{ border-color:rgb(223, 255, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 255, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(223, 255,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.9234, 0.2978, 0.3371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 255, 247) }
```

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

```
.background{ background-color: rgb(223,  
255, 247) }
```

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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