

# Converting Colors

$Y_{xy}(100.0000, 0.3029, 0.3532)$

Have a look what the booklet for  
Yxy(100.0000, 0.3029, 0.3532)  
contains.

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# Color

**Yxy(93.8188, 0.3028, 0.3442)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1FFF0
RGB	225, 255, 240
RGB Percent	88%, 100%, 94%
CMY	0.1178, 0.0000, 0.0587
CMYK	0.12, 0.00, 0.06, 0.00
HSL	150°, 100%, 94%
HSV	150°, 12%, 100%
XYZ	82.5344, 93.8188, 96.2174
YIQ	244.3200, -13.0650, -11.0250

# Conversions

## Conversions Part 2

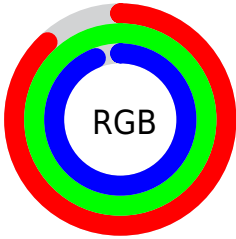
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 245, 255
Decimal	14811120
CIE Lab	97.56, -12.46, 3.87
CIE LCh	98, 13.046, 162.754
Yxy	93.8188, 0.3028, 0.3442
Android (android.graphics.Color)	4293001200 (0xFFE1FFF0)
YUV	244.3200, -2.1298, -16.9436
Hunter-Lab	96.8601, -17.4056, 8.9055

# Details

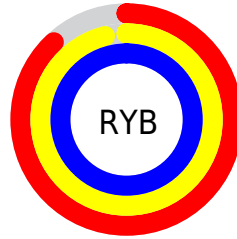
The Yxy color **93.8188, 0.3028, 0.3442** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.3797, 0.3239, 0.3143**, and the grayscale version is **90.7550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.3949, 0.3010, 0.3473** is the 20% darker color. If you saturate the color by 10%, you get **89.2895, 0.2947, 0.3587**, and if you desaturate by 10%, it is **99.0055, 0.3112, 0.3312**.

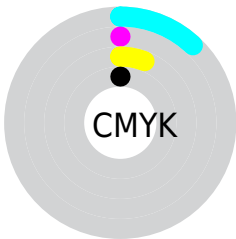
# Distribution



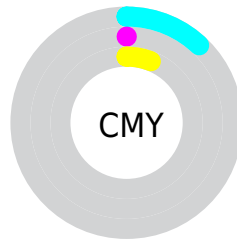
- Red (88%)
- Green (100%)
- Blue (94%)



- Red (88%)
- Yellow (96%)
- Blue (100%)



- Cyan (12%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (12%)
- Magenta (0%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.8188, 0.3028, 0.3442 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 93.8188, 0.3028, 0.3442 by changing the saturation by 10% instead.




 93.8188, 0.3028,  
0.3442

 93.8188, 0.3028,  
0.3442

540.3765, 0.3072,  
0.3374

 71.1523, 0.3018,  
0.3457


152.6317, 0.3043,  
0.3419

 52.4665, 0.3006,  
0.3475


189.5469, 0.3049,  
0.3410

 37.3770, 0.2992,  
0.3498


231.9804, 0.3054,  
0.3402

 25.4995, 0.2973,  
0.3527

280.3166, 0.3059,  
0.3395

 16.4496, 0.2948,  
0.3566

334.9399, 0.3063,  
0.3389

 9.8429, 0.2913,  
0.3620

396.2348, 0.3066,

 5.2949, 0.2862,

0.3383

0.3700

464.5855, 0.3069,  
0.3378

■ 2.4213, 0.2779,  
0.3831

■ 0.8368, 0.2495,  
0.4250

■ 93.8188, 0.3028,  
0.3442

■ 93.8188, 0.3028,  
0.3442

■ 89.2895, 0.2947,  
0.3587

■ 99.0055, 0.3112,  
0.3312


■ 85.4008, 0.2871,  
0.3748

100.0000, 0.3127,  
0.3290


■ 82.1187, 0.2804,  
0.3922

■ 79.4105, 0.2748,  
0.4108

 77.2403, 0.2708,  
0.4302

 75.5680, 0.2687,  
0.4501

 74.3476, 0.2685,  
0.4698

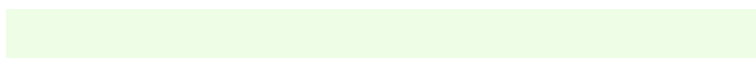
 73.5238, 0.2704,  
0.4888

 73.0754, 0.2732,  
0.5035

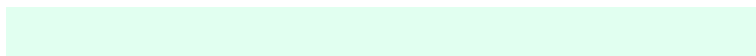
# Harmonies

## Analogous

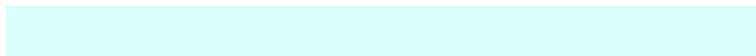
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.8188, 0.3172, 0.3525



93.8188, 0.3028, 0.3442



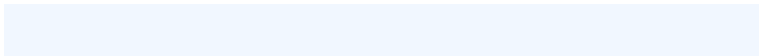
93.8188, 0.2912, 0.3316

# Triad

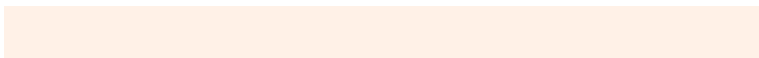
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.8188, 0.3028, 0.3442



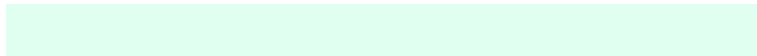
93.8188, 0.2947, 0.3046



93.8188, 0.3409, 0.3384

# Complementary

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



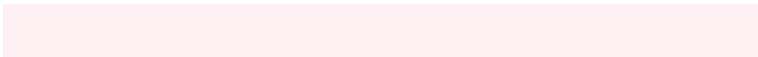
93.8188, 0.3028, 0.3442



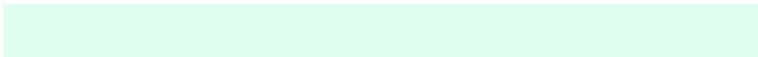
81.3797, 0.3239, 0.3143

# 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.



93.8188, 0.3346, 0.3259



93.8188, 0.3028, 0.3442



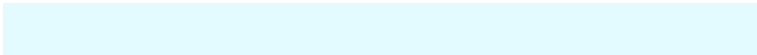
93.8188, 0.3077, 0.3068

# Square

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



93.8188, 0.3028, 0.3442



93.8188, 0.2866, 0.3088



93.8188, 0.3223, 0.3145

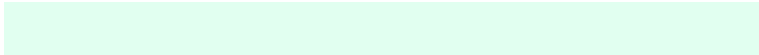


93.8188, 0.3394, 0.3488



# Rectangle

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



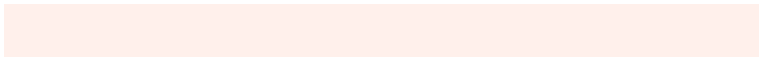
93.8188, 0.3028, 0.3442



93.8188, 0.2865, 0.3227



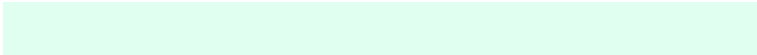
93.8188, 0.3223, 0.3145



93.8188, 0.3396, 0.3343

# Sweetspot

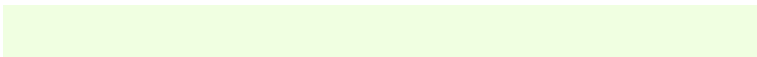
The Sweet Spot groups the original color and five complimentary colors.



93.8151, 0.3028, 0.3442



97.7933, 0.3093, 0.3339



95.4767, 0.3207, 0.3591



20.8456, 0.3087, 0.3349



0.0000, 0.0000, 0.0000

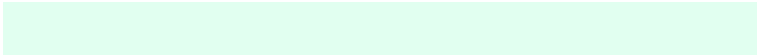


21.4041, 0.3127, 0.3290

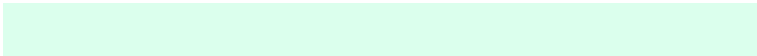


# Same Dimension

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



93.8151, 0.3028, 0.3442



92.7530, 0.3010, 0.3473



94.7421, 0.2946, 0.3289



20.3201, 0.3047, 0.3411



38.2137, 0.2724, 0.5006



3.7428, 0.2666, 0.4799



# Inverse Universe

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



81.3797, 0.3239, 0.3143



78.1998, 0.3263, 0.3114



80.5265, 0.3340, 0.3291



18.1381, 0.3216, 0.3172



11.9412, 0.4971, 0.2512

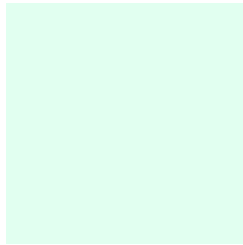


1.1847, 0.4716, 0.2371



# Previews

## White Background



This preview shows how the Yxy color 93.8188, 0.3028, 0.3442 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

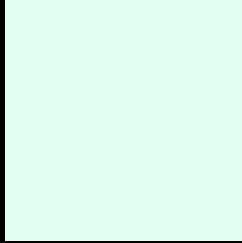
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.8188, 0.3028, 0.3442 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

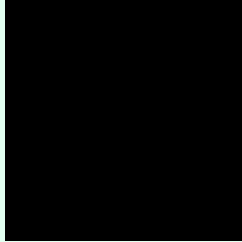
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

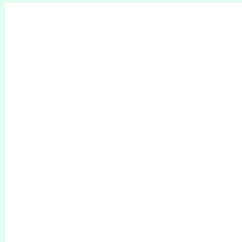
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 93.8188, 0.3028, 0.3442**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.8188, 0.3028, 0.3442.

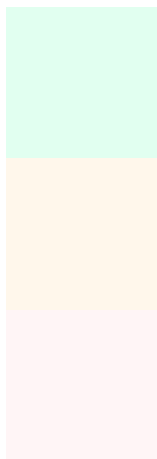


This preview shows how white text looks on a background with the Yxy color 93.8188, 0.3028, 0.3442.

# 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

93.8188, 0.3028, 0.3442

### Protanopia

93.7797, 0.3251, 0.3407

### Deuteranopia

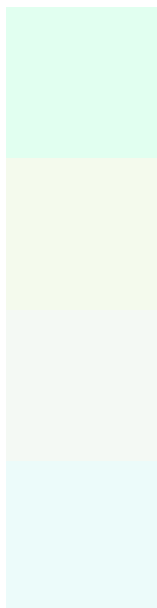
93.2186, 0.3186, 0.3281



## Tritanopia

93.8486, 0.3049, 0.3231

# Trichromacy



## Original Color

93.8188, 0.3028, 0.3442

## Protanomaly

93.7187, 0.3166, 0.3419

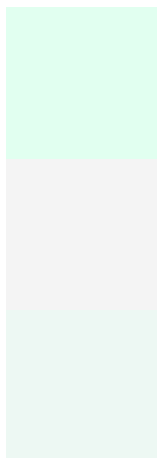
## Deuteranomaly

93.5161, 0.3125, 0.3339

## Tritanomaly

93.7294, 0.3040, 0.3300

# Monochromacy



## Original Color

93.8188, 0.3028, 0.3442

## Achromatopsia

90.4661, 0.3127, 0.3290

## Achromatomaly

91.6104, 0.3087, 0.3340

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.8188, 0.3028, 0.3442 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(225, 255, 240)` looks like.

```
.text, #text, p{  
    color:rgb(225, 255, 240)  
}
```

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(225, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 255, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 93.8188, 0.3028, 0.3442 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(225, 255, 240) }
```

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

```
.border{ border-color:rgb(225, 255, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 255, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(225, 255,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.8188, 0.3028, 0.3442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 255, 240) }
```

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

```
.background{ background-color: rgb(225,  
255, 240) }
```

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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