

# Converting Colors

$Y_{xy}(100.0000, 0.2905, 0.3402)$

Have a look what the booklet for  
Yxy(100.0000, 0.2905, 0.3402)  
contains.

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# Color

**Yxy(93.2747, 0.2900, 0.3300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8FFFE
RGB	216, 255, 254
RGB Percent	85%, 100%, 100%
CMY	0.1528, 0.0000, 0.0041
CMYK	0.15, 0.00, 0.00, 0.00
HSL	178°, 100%, 92%
HSV	178°, 15%, 100%
XYZ	81.9687, 93.2747, 107.4072
YIQ	243.2250, -22.9230, -8.5790

# Conversions

## Conversions Part 2

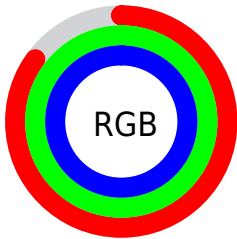
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 236, 255
Decimal	14221310
CIE Lab	97.34, -12.60, -3.68
CIE LCh	97, 13.130, 196.278
Yxy	93.2747, 0.2900, 0.3300
Android (android.graphics.Color)	4292411390 (0xFFD8FFFE)
YUV	243.2250, 5.3121, -23.8763
Hunter-Lab	96.5788, -17.5159, 1.6676

# Details

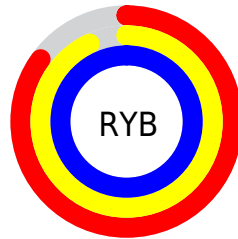
The Yxy color **93.2747, 0.2900, 0.3300** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.4030, 0.3408, 0.3280**, and the grayscale version is **89.7900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.9965, 0.2856, 0.3302** is the 20% darker color. If you saturate the color by 10%, you get **89.6447, 0.2763, 0.3307**, and if you desaturate by 10%, it is **97.5115, 0.3047, 0.3293**.

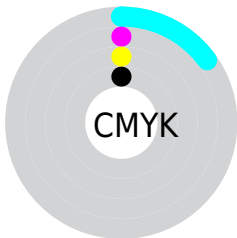
# Distribution



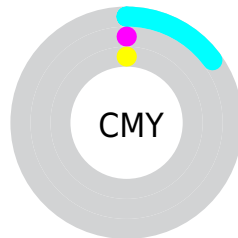
- Red (85%)
- Green (100%)
- Blue (100%)



- Red (85%)
- Yellow (93%)
- Blue (100%)



- Cyan (15%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (0%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.2747, 0.2900, 0.3300 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 93.2747, 0.2900, 0.3300 by changing the saturation by 10% instead.



 93.2747, 0.2900,  
0.3300

 93.2747, 0.2900,  
0.3300

538.6267, 0.3000,  
0.3296

 70.6998, 0.2878,  
0.3301


151.8789, 0.2934,  
0.3299

 52.0973, 0.2852,  
0.3301


188.6770, 0.2947,  
0.3298

 37.0826, 0.2819,  
0.3302


230.9850, 0.2959,  
0.3298

 25.2715, 0.2778,  
0.3303

279.1872, 0.2969,  
0.3298

 16.2794, 0.2724,  
0.3303

333.6681, 0.2978,  
0.3297

 9.7221, 0.2651,  
0.3303

394.8121, 0.2986,

 5.2151, 0.2545,

0.3297

0.3302

463.0035, 0.2993,  
0.3297

■ 2.3740, 0.2379,  
0.3297

■ 0.8125, 0.1912,  
0.3343

■ 93.2747, 0.2900,  
0.3300

■ 93.2747, 0.2900,  
0.3300

■ 89.6447, 0.2763,  
0.3307

■ 97.5115, 0.3047,  
0.3293

■ 86.5880, 0.2640,  
0.3315

100.0000, 0.3127,  
0.3290

■ 84.0765, 0.2532,  
0.3323

■ 82.0777, 0.2442,  
0.3332

■ 80.5557, 0.2371,  
0.3341

■ 79.4696, 0.2320,  
0.3350

■ 78.7720, 0.2288,  
0.3358

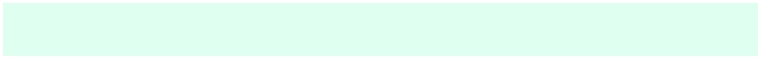
■ 78.4044, 0.2273,  
0.3367

■ 78.3059, 0.2270,  
0.3371

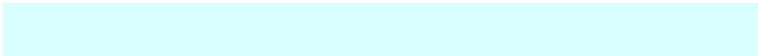
# Harmonies

## Analogous

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



93.2747, 0.3011, 0.3430



93.2747, 0.2900, 0.3300



93.2747, 0.2849, 0.3171

# Triad

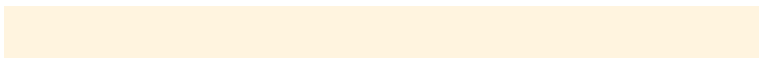
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.2747, 0.2900, 0.3300



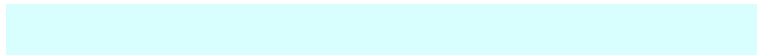
93.2747, 0.3094, 0.3073



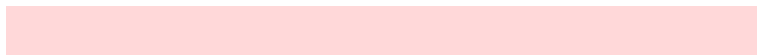
93.2747, 0.3390, 0.3499

# Complementary

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



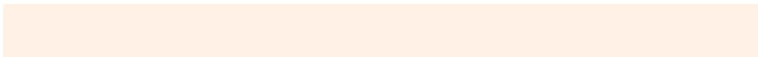
93.2747, 0.2900, 0.3300



75.4030, 0.3408, 0.3280

# 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.



93.2747, 0.3414, 0.3399



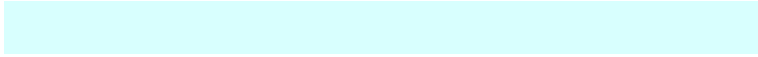
93.2747, 0.2900, 0.3300



93.2747, 0.3241, 0.3156

# Square

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



93.2747, 0.2900, 0.3300



93.2747, 0.2959, 0.3044



93.2747, 0.3359, 0.3274

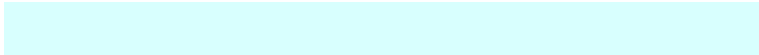


93.2747, 0.3294, 0.3545

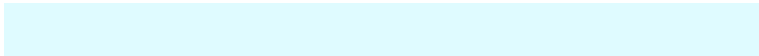


# Rectangle

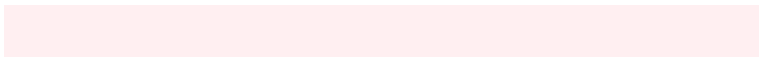
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93.2747, 0.2900, 0.3300



93.2747, 0.2855, 0.3103



93.2747, 0.3359, 0.3274



93.2747, 0.3407, 0.3470

# Sweetspot

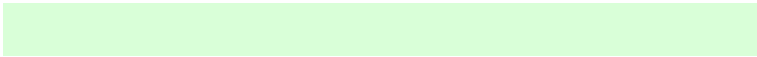
The Sweet Spot groups the original color and five complimentary colors.



93.2767, 0.2900, 0.3300



97.6394, 0.3051, 0.3293



91.2823, 0.3116, 0.3700



20.8306, 0.3040, 0.3294



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

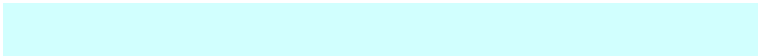


# Same Dimension

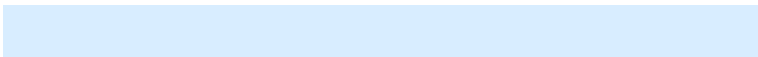
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.2767, 0.2900, 0.3300



92.2306, 0.2862, 0.3302



82.2857, 0.2887, 0.3101



20.4725, 0.2984, 0.3296



40.9203, 0.2269, 0.3370



3.9868, 0.2267, 0.3360



# Inverse Universe

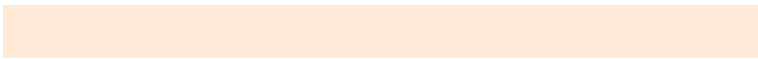
The Inverse Universe completely reimagines the original color for something new.



75.4030, 0.3408, 0.3280



71.5799, 0.3469, 0.3278



85.1894, 0.3388, 0.3472



17.9950, 0.3290, 0.3284



11.1201, 0.6374, 0.3285

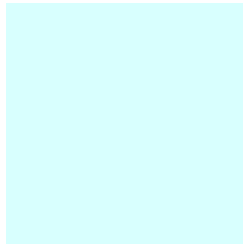


1.0854, 0.6309, 0.3249



# Previews

## White Background



This preview shows how the Yxy color 93.2747, 0.2900, 0.3300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

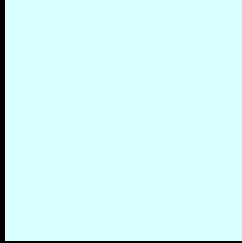
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.2747, 0.2900, 0.3300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

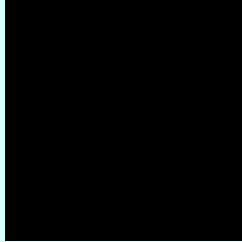
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 93.2747, 0.2900, 0.3300**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.2747, 0.2900, 0.3300.



This preview shows how white text looks on a background with the Yxy color 93.2747, 0.2900, 0.3300.

# Color Blindness Simulation

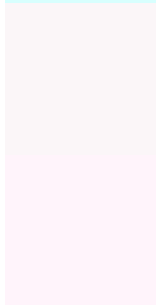
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

93.2747, 0.2900, 0.3300



### Protanopia

93.1981, 0.3147, 0.3271

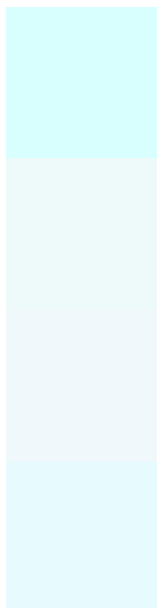
### Deuteranopia

92.9264, 0.3156, 0.3223

## **Tritanopia**

93.3221, 0.3030, 0.3231

# Trichromacy



## Original Color

93.2747, 0.2900, 0.3300

## Protanomaly

92.8306, 0.3052, 0.3280

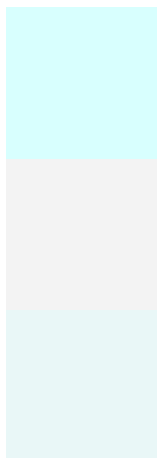
## Deuteranomaly

92.8639, 0.3060, 0.3251

## Tritanomaly

93.2033, 0.2981, 0.3250

# Monochromacy



## Original Color

93.2747, 0.2900, 0.3300

## Achromatopsia

89.6269, 0.3127, 0.3290

## Achromatomaly

90.5606, 0.3039, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.2747, 0.2900, 0.3300 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(216, 255, 254)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 254)  
}
```

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(216, 255, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 93.2747, 0.2900, 0.3300 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(216, 255, 254) }
```

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

```
.border{ border-color:rgb(216, 255, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 255, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 255, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 255, 254);  
box-shadow:4px 4px 4px 4px rgb(216, 255,  
254) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.2747, 0.2900, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 255, 254) }
```

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

```
.background{ background-color: rgb(216,  
255, 254) }
```

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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