

# Converting Colors

$Y_{xy}(92.8333, 0.2902, 0.3325)$

Have a look what the booklet for  
Yxy(92.8333, 0.2902, 0.3325)  
contains.

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# Color

**Yxy(92.8444, 0.2899, 0.3320)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6FFFC
RGB	214, 255, 252
RGB Percent	84%, 100%, 99%
CMY	0.1606, 0.0000, 0.0118
CMYK	0.16, 0.00, 0.01, 0.00
HSL	176°, 100%, 92%
HSV	176°, 16%, 100%
XYZ	81.0711, 92.8444, 105.7363
YIQ	242.3990, -23.4730, -9.6250

# Conversions

## Conversions Part 2

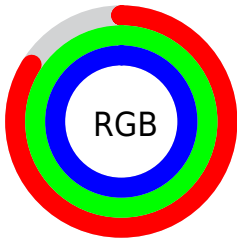
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	214, 235, 255
Decimal	14090236
CIE Lab	97.16, -13.59, -2.94
CIE LCh	97, 13.910, 192.217
Yxy	92.8444, 0.2899, 0.3320
Android (android.graphics.Color)	4292280316 (0xFFD6FFFC)
YUV	242.3990, 4.7333, -24.9059
Hunter-Lab	96.3558, -18.4378, 2.3870

# Details

The Yxy color **92.8444, 0.2899, 0.3320** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.3889, 0.3411, 0.3260**, and the grayscale version is **89.1097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.6992, 0.2855, 0.3329** is the 20% darker color. If you saturate the color by 10%, you get **89.1881, 0.2768, 0.3341**, and if you desaturate by 10%, it is **97.1102, 0.3039, 0.3301**.

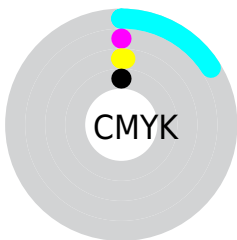
# Distribution



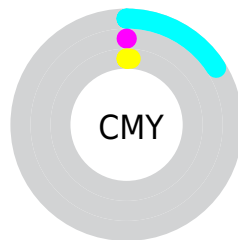
- Red (84%)
- Green (100%)
- Blue (99%)



- Red (84%)
- Yellow (92%)
- Blue (100%)



- Cyan (16%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)




- Cyan (16%)
- Magenta (0%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.8444, 0.2899, 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 92.8444, 0.2899, 0.3320 by changing the saturation by 10% instead.




 92.8444, 0.2899,  
0.3320

 92.8444, 0.2899,  
0.3320


537.2408, 0.3000,  
0.3308

 70.3422, 0.2877,  
0.3323


151.2832, 0.2933,  
0.3316

 51.8055, 0.2851,  
0.3326

187.9885, 0.2946,  
0.3314

 36.8501, 0.2818,  
0.3329


230.1970, 0.2958,  
0.3313

 25.0915, 0.2776,  
0.3334

278.2931, 0.2968,  
0.3312

 16.1452, 0.2722,  
0.3339

332.6611, 0.2978,  
0.3310

 9.6270, 0.2648,  
0.3346

393.6854, 0.2986,

 5.1523, 0.2540,

0.3309

0.3356

461.7506, 0.2993,  
0.3308

■ 2.3369, 0.2371,  
0.3367

■ 0.7931, 0.1844,  
0.3466

■ 92.8444, 0.2899,  
0.3320

■ 92.8444, 0.2899,  
0.3320

■ 89.1881, 0.2768,  
0.3341

■ 97.1102, 0.3039,  
0.3301

■ 86.1018, 0.2650,  
0.3363

99.9970, 0.3127,  
0.3290

■ 83.5594, 0.2548,  
0.3387

■ 81.5281, 0.2462,  
0.3411

■ 79.9714, 0.2396,  
0.3436

■ 78.8483, 0.2350,  
0.3461

■ 78.1106, 0.2322,  
0.3486

■ 77.6985, 0.2312,  
0.3511

■ 77.5907, 0.2311,  
0.3520

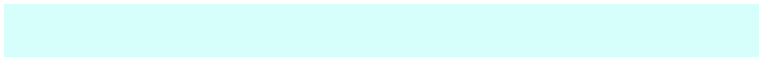
# Harmonies

## Analogous

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



92.8444, 0.3024, 0.3455



92.8444, 0.2899, 0.3320



92.8444, 0.2835, 0.3180

# Triad

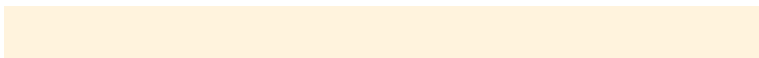
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



92.8444, 0.2899, 0.3320



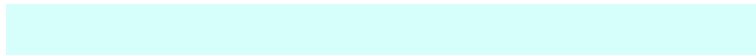
92.8444, 0.3071, 0.3052



92.8444, 0.3414, 0.3500

# Complementary

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



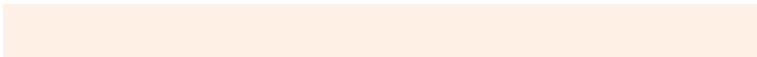
92.8444, 0.2899, 0.3320



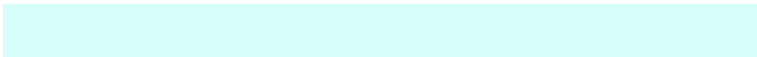
74.3889, 0.3411, 0.3260

# 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.



92.8444, 0.3428, 0.3388



92.8444, 0.2899, 0.3320



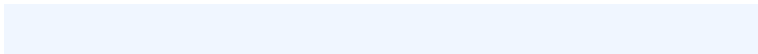
92.8444, 0.3227, 0.3133

# Square

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



92.8444, 0.2899, 0.3320



92.8444, 0.2932, 0.3030



92.8444, 0.3359, 0.3255

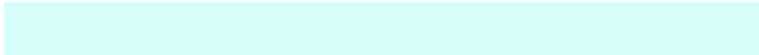


92.8444, 0.3321, 0.3559

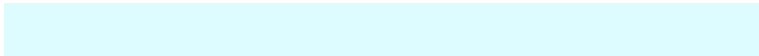


# Rectangle

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



92.8444, 0.2899, 0.3320



92.8444, 0.2835, 0.3104



92.8444, 0.3359, 0.3255



92.8444, 0.3428, 0.3467

# Sweetspot

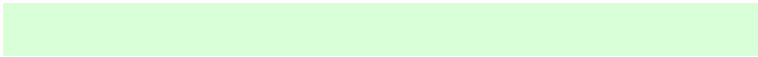
The Sweet Spot groups the original color and five complimentary colors.



92.8482, 0.2899, 0.3320



97.6015, 0.3054, 0.3299



91.1969, 0.3128, 0.3721



20.8213, 0.3044, 0.3300



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

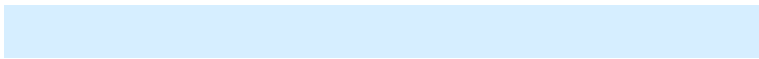
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.8482, 0.2899, 0.3320



91.7140, 0.2859, 0.3326



82.6337, 0.2876, 0.3112



20.4571, 0.2990, 0.3307



40.5542, 0.2310, 0.3516



3.9552, 0.2302, 0.3488



# Inverse Universe

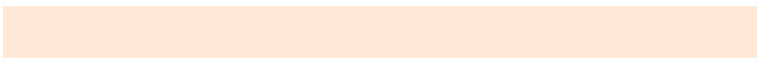
The Inverse Universe completely reimagines the original color for something new.



74.3889, 0.3411, 0.3260



70.3261, 0.3475, 0.3255



83.3297, 0.3406, 0.3462



18.0087, 0.3283, 0.3273



11.1406, 0.6325, 0.3258



1.0919, 0.6158, 0.3166



# Previews

## White Background



This preview shows how the Yxy color 92.8444, 0.2899, 0.3320 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

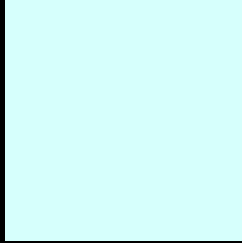
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.8444, 0.2899, 0.3320 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

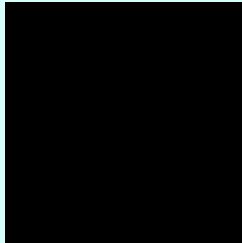
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

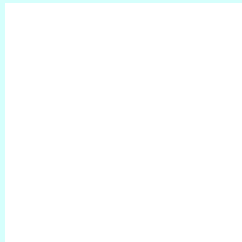
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 92.8444, 0.2899, 0.3320**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.8444, 0.2899, 0.3320.

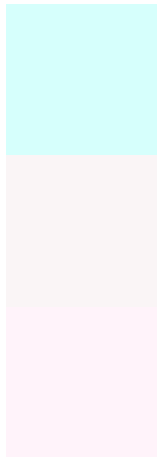


This preview shows how white text looks on a background with the Yxy color 92.8444, 0.2899, 0.3320.

# 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

92.8444, 0.2899, 0.3320

### Protanopia

92.2826, 0.3153, 0.3280

### Deuteranopia

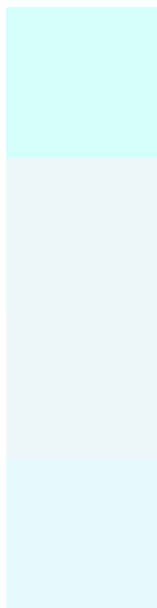
92.2633, 0.3163, 0.3223



## Tritanopia

92.5319, 0.3024, 0.3221

# Trichromacy



## Original Color

92.8444, 0.2899, 0.3320

## Protanomaly

92.5332, 0.3058, 0.3300

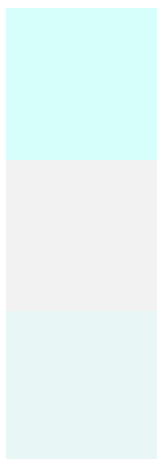
## Deuteranomaly

92.0118, 0.3059, 0.3250

## Tritanomaly

92.8081, 0.2975, 0.3260

# Monochromacy



## Original Color

92.8444, 0.2899, 0.3320

## Achromatopsia

88.7923, 0.3127, 0.3290

## Achromatomaly

90.3312, 0.3038, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.8444, 0.2899, 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(214, 255, 252)` looks like.

```
.text, #text, p{  
    color:rgb(214, 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(214, 255, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 92.8444, 0.2899, 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(214, 255, 252) }
```

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

```
.border{ border-color:rgb(214, 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(214, 255, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 255, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 255, 252);  
box-shadow:4px 4px 4px 4px rgb(214, 255,  
252) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.8444, 0.2899, 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(214, 255, 252) }
```

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

```
.background{ background-color: rgb(214,  
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](#).

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