

# Converting Colors

$Y_{xy}(100.0000, 0.2910, 0.3436)$

Have a look what the booklet for  
Yxy(100.0000, 0.2910, 0.3436)  
contains.

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# Color

**Yxy(92.9321, 0.2910, 0.3330)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7FFFB
RGB	215, 255, 251
RGB Percent	84%, 100%, 98%
CMY	0.1566, 0.0000, 0.0156
CMYK	0.16, 0.00, 0.02, 0.00
HSL	174°, 100%, 92%
HSV	174°, 16%, 100%
XYZ	81.2109, 92.9321, 104.9323
YIQ	242.5840, -22.5560, -9.7240

# Conversions

## Conversions Part 2

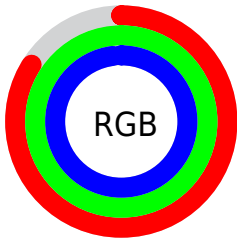
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	215, 236, 255
Decimal	14155771
CIE Lab	97.20, -13.48, -2.38
CIE LCh	97, 13.684, 190.011
Yxy	92.9321, 0.2910, 0.3330
Android (android.graphics.Color)	4292345851 (0xFFD7FFFB)
YUV	242.5840, 4.1491, -24.1912
Hunter-Lab	96.4013, -18.3293, 2.9440

# Details

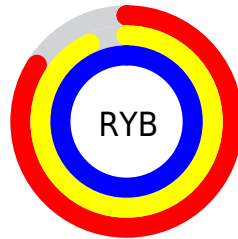
The Yxy color **92.9321, 0.2910, 0.3330** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.0067, 0.3395, 0.3251**, and the grayscale version is **89.2708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.8019, 0.2862, 0.3329** is the 20% darker color. If you saturate the color by 10%, you get **89.2113, 0.2782, 0.3359**, and if you desaturate by 10%, it is **97.2644, 0.3047, 0.3304**.

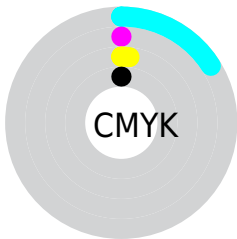
# Distribution



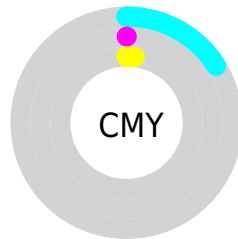
- Red (84%)
- Green (100%)
- Blue (98%)



- Red (84%)
- Yellow (93%)
- Blue (100%)



- Cyan (16%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (16%)
- Magenta (0%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.9321, 0.2910, 0.3330 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 92.9321, 0.2910, 0.3330 by changing the saturation by 10% instead.



 92.9321, 0.2910,  
0.3330

 92.9321, 0.2910,  
0.3330

537.5234, 0.3006,  
0.3313

 70.4151, 0.2889,  
0.3334


151.4046, 0.2942,  
0.3324

 51.8650, 0.2864,  
0.3338


188.1289, 0.2955,  
0.3322

 36.8975, 0.2833,  
0.3343


230.3577, 0.2966,  
0.3320

 25.1281, 0.2793,  
0.3350

278.4754, 0.2976,  
0.3318

 16.1725, 0.2741,  
0.3358

332.8664, 0.2985,  
0.3317

 9.6463, 0.2670,  
0.3369


393.9152, 0.2993,


 5.1651, 0.2567,


0.3315


0.3384


462.0060, 0.3000,  
0.3314

 2.3445, 0.2406,  
0.3405


 0.7971, 0.1895,  
0.3524

 92.9321, 0.2910,  
0.3330

 92.9321, 0.2910,  
0.3330


 89.2113, 0.2782,  
0.3359

 97.2644, 0.3047,  
0.3304

 86.0626, 0.2666,  
0.3389

99.9939, 0.3127,  
0.3290

 83.4600, 0.2565,  
0.3421

 81.3707, 0.2481,  
0.3455

■ 79.7586, 0.2416,  
0.3489

■ 78.5827, 0.2370,  
0.3524

■ 77.7953, 0.2344,  
0.3559

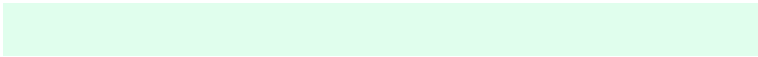
■ 77.3372, 0.2336,  
0.3593

■ 77.2036, 0.2335,  
0.3608

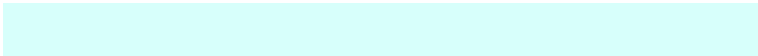
# Harmonies

## Analogous

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



92.9321, 0.3036, 0.3461



92.9321, 0.2910, 0.3330



92.9321, 0.2842, 0.3191

# Triad

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



92.9321, 0.2910, 0.3330



92.9321, 0.3060, 0.3052



92.9321, 0.3413, 0.3490

# Complementary

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



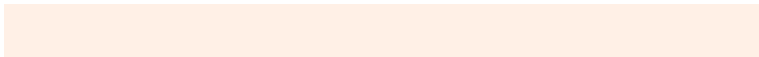
92.9321, 0.2910, 0.3330



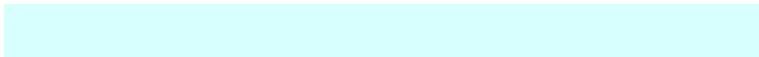
75.0067, 0.3395, 0.3251

# 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.



92.9321, 0.3421, 0.3377



92.9321, 0.2910, 0.3330



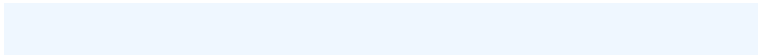
92.9321, 0.3215, 0.3128

# Square

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



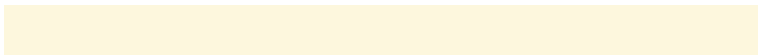
92.9321, 0.2910, 0.3330



92.9321, 0.2927, 0.3035



92.9321, 0.3348, 0.3246

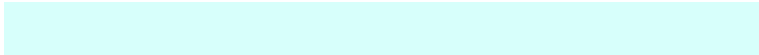


92.9321, 0.3327, 0.3552

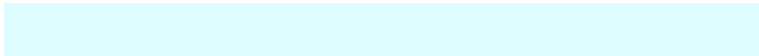


# Rectangle

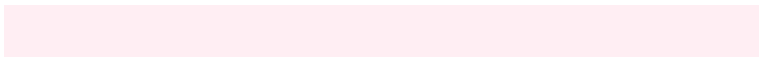
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



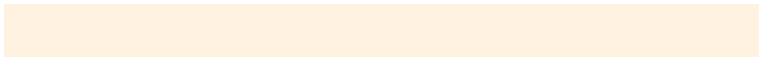
92.9321, 0.2910, 0.3330



92.9321, 0.2838, 0.3115



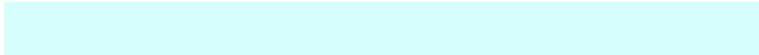
92.9321, 0.3348, 0.3246



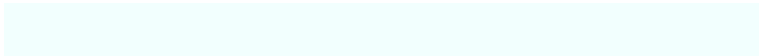
92.9321, 0.3425, 0.3456

# Sweetspot

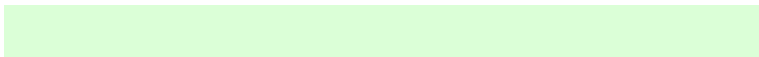
The Sweet Spot groups the original color and five complimentary colors.



92.9360, 0.2910, 0.3330



97.5800, 0.3056, 0.3302



91.4917, 0.3132, 0.3709



20.8160, 0.3046, 0.3304



0.0000, 0.0000, 0.0000

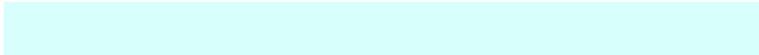


21.4041, 0.3127, 0.3290

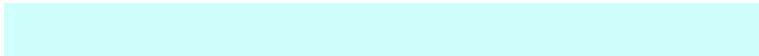


# Same Dimension

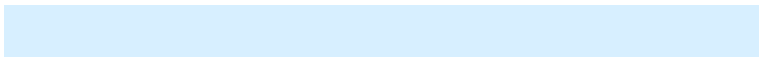
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.9360, 0.2910, 0.3330



91.6336, 0.2866, 0.3339



83.4196, 0.2882, 0.3124



20.4484, 0.2993, 0.3314



40.3567, 0.2334, 0.3602



3.9381, 0.2323, 0.3563



# Inverse Universe

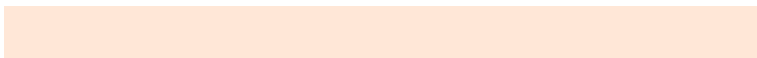
The Inverse Universe completely reimagines the original color for something new.



75.0067, 0.3395, 0.3251



70.3900, 0.3466, 0.3242



83.3378, 0.3399, 0.3451



18.0165, 0.3279, 0.3267



11.1560, 0.6289, 0.3238



1.0955, 0.6077, 0.3121



# Previews

## White Background



This preview shows how the Yxy color 92.9321, 0.2910, 0.3330 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

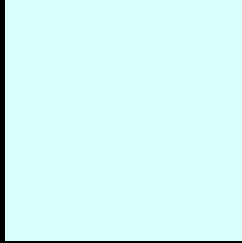
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.9321, 0.2910, 0.3330 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

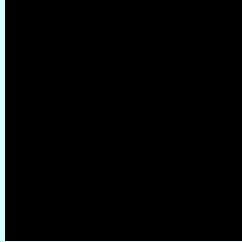
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

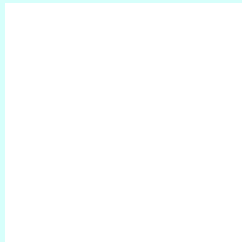
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 92.9321, 0.2910, 0.3330**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.9321, 0.2910, 0.3330.

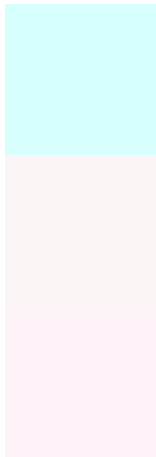


This preview shows how white text looks on a background with the Yxy color 92.9321, 0.2910, 0.3330.

# 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

92.9321, 0.2910, 0.3330

### Protanopia

92.4066, 0.3166, 0.3290

### Deuteranopia

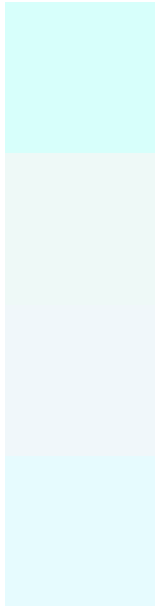
92.2633, 0.3163, 0.3223



## Tritanopia

92.5319, 0.3024, 0.3221

# Trichromacy



## Original Color

92.9321, 0.2910, 0.3330

## Protanomaly

92.6439, 0.3070, 0.3310

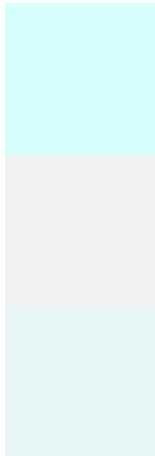
## Deuteranomaly

91.9489, 0.3065, 0.3260

## Tritanomaly

92.9731, 0.2981, 0.3260

# Monochromacy



## Original Color

92.9321, 0.2910, 0.3330

## Achromatopsia

89.6269, 0.3127, 0.3290

## Achromatomaly

90.4990, 0.3045, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.9321, 0.2910, 0.3330 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(215, 255, 251)` looks like.

```
.text, #text, p{  
    color:rgb(215, 255, 251)  
}
```

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(215, 255, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 255, 251) }
```

## Border

The CSS property to change the border of an element to Yxy 92.9321, 0.2910, 0.3330 is called "border". The border property can be set on classes, ids or directly on the HTML element.

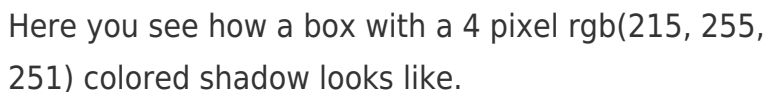
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 255, 251) }
```

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

```
.border{ border-color:rgb(215, 255, 251) }
```

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



Here you see how a box with a 4 pixel `rgb(215, 255, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 255, 251); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 255, 251); box-shadow:4px 4px 4px 4px rgb(215, 255, 251) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.9321, 0.2910, 0.3330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 255, 251) }
```

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

```
.background{ background-color: rgb(215,  
255, 251) }
```

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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