

# Converting Colors

$Y_{xy}(136.9811, 0.2939, 0.3929)$

Have a look what the booklet for  
Yxy(136.9811, 0.2939, 0.3929)  
contains.

<b>Yxy(92.5315, 0.2925, 0.3372)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(92.5315, 0.2925, 0.3372)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6FFF7
RGB	214, 255, 247
RGB Percent	84%, 100%, 97%
CMY	0.1610, 0.0000, 0.0314
CMYK	0.16, 0.00, 0.03, 0.00
HSL	168°, 100%, 92%
HSV	168°, 16%, 100%
XYZ	80.2653, 92.5315, 101.6145
YIQ	241.8290, -21.8680, -11.1800

# Conversions

## Conversions Part 2

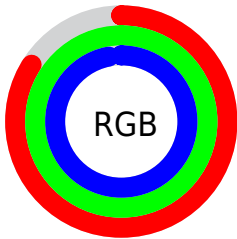
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	214, 237, 255
Decimal	14090231
CIE Lab	97.04, -14.62, -0.56
CIE LCh	97, 14.633, 182.174
Yxy	92.5315, 0.2925, 0.3372
Android (android.graphics.Color)	4292280311 (0xFFD6FFF7)
YUV	241.8290, 2.5493, -24.4060
Hunter-Lab	96.1933, -19.3948, 4.7039

# Details

The Yxy color **92.5315, 0.2925, 0.3372** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.5953, 0.3376, 0.3210**, and the grayscale version is **88.6270, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.5207, 0.2881, 0.3382** is the 20% darker color. If you saturate the color by 10%, you get **88.6791, 0.2809, 0.3429**, and if you desaturate by 10%, it is **96.9738, 0.3049, 0.3319**.

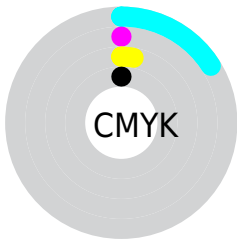
# Distribution



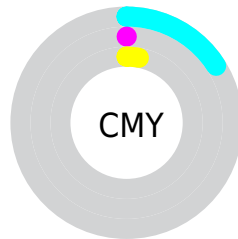
- Red (84%)
- Green (100%)
- Blue (97%)



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



- Cyan (16%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)




- Cyan (16%)
- Magenta (0%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.5315, 0.2925, 0.3372 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 92.5315, 0.2925, 0.3372 by changing the saturation by 10% instead.




 92.5315, 0.2925,  
0.3372

 92.5315, 0.2925,  
0.3372


536.2318, 0.3014,  
0.3336

 70.0822, 0.2905,  
0.3380

150.8498, 0.2955,  
0.3360

 51.5935, 0.2882,  
0.3389


187.4876, 0.2967,  
0.3355

 36.6812, 0.2852,  
0.3401


229.6237, 0.2978,  
0.3351

 24.9607, 0.2815,  
0.3416

277.6424, 0.2987,  
0.3347

 16.0478, 0.2766,  
0.3436

331.9281, 0.2995,  
0.3344

 9.5580, 0.2699,  
0.3462

392.8654, 0.3002,

 5.1069, 0.2601,

0.3341

0.3501

460.8385, 0.3009,  
0.3338

■ 2.3101, 0.2446,  
0.3562

■ 0.7791, 0.1871,  
0.3801

■ 92.5315, 0.2925,  
0.3372

■ 92.5315, 0.2925,  
0.3372

■ 88.6791, 0.2809,  
0.3429

■ 96.9738, 0.3049,  
0.3319


■ 85.4170, 0.2703,  
0.3491


100.0000, 0.3127,  
0.3290


■ 82.7054, 0.2611,  
0.3556


■ 80.5116, 0.2535,  
0.3625

 78.7992, 0.2478,  
0.3695

 77.5269, 0.2440,  
0.3767

 76.6465, 0.2423,  
0.3839

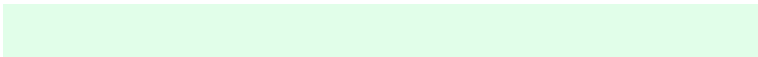
 76.0980, 0.2424,  
0.3910

 75.9394, 0.2427,  
0.3938

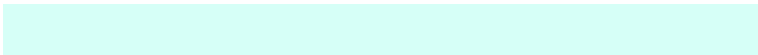
# Harmonies

## Analogous

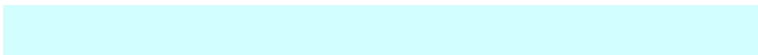
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.5315, 0.3071, 0.3503



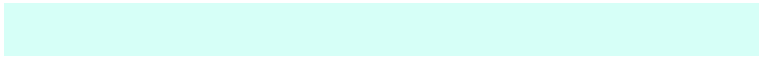
92.5315, 0.2925, 0.3372



92.5315, 0.2834, 0.3221

# Triad

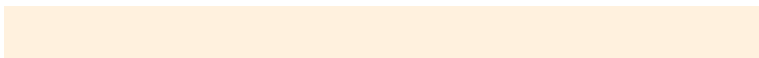
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



92.5315, 0.2925, 0.3372



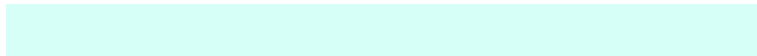
92.5315, 0.3014, 0.3024



92.5315, 0.3445, 0.3476

# Complementary

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



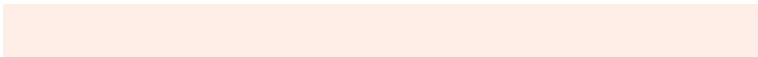
92.5315, 0.2925, 0.3372



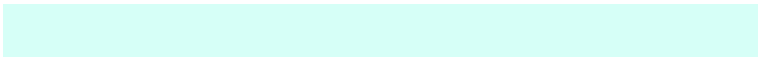
74.5953, 0.3376, 0.3210

# 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.



92.5315, 0.3430, 0.3346



92.5315, 0.2925, 0.3372



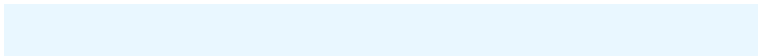
92.5315, 0.3178, 0.3091

# Square

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



92.5315, 0.2925, 0.3372



92.5315, 0.2884, 0.3024



92.5315, 0.3331, 0.3207



92.5315, 0.3372, 0.3560



# Rectangle

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



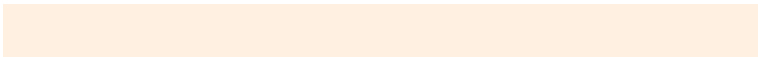
92.5315, 0.2925, 0.3372



92.5315, 0.2815, 0.3132



92.5315, 0.3331, 0.3207



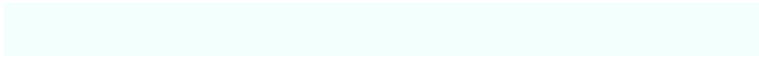
92.5315, 0.3450, 0.3436

# Sweetspot

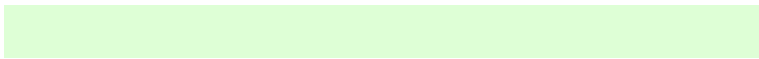
The Sweet Spot groups the original color and five complimentary colors.



92.5221, 0.2925, 0.3372



97.5023, 0.3063, 0.3314



91.9260, 0.3158, 0.3719



20.7971, 0.3054, 0.3318



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

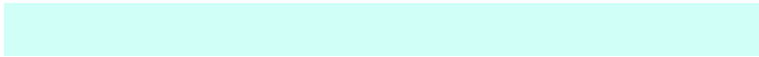


# Same Dimension

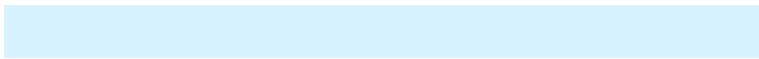
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.5221, 0.2925, 0.3372



91.3466, 0.2890, 0.3388



85.4188, 0.2877, 0.3162



20.4171, 0.3006, 0.3337



39.7015, 0.2424, 0.3926



3.8804, 0.2401, 0.3845



# Inverse Universe

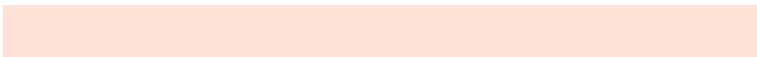
The Inverse Universe completely reimagines the original color for something new.



74.5953, 0.3376, 0.3210



70.6260, 0.3431, 0.3195



80.6460, 0.3414, 0.3415



18.0450, 0.3263, 0.3244



11.2444, 0.6093, 0.3130

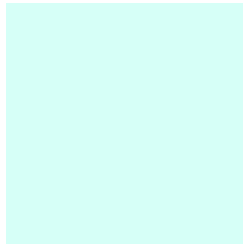


1.1093, 0.5797, 0.2967



# Previews

## White Background



This preview shows how the Yxy color 92.5315, 0.2925, 0.3372 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

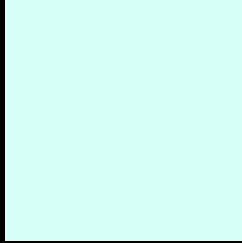
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.5315, 0.2925, 0.3372 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

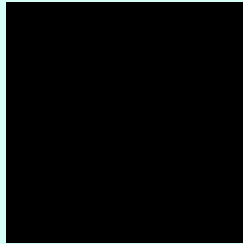
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 92.5315, 0.2925, 0.3372**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.5315, 0.2925, 0.3372.

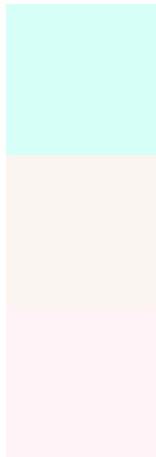


This preview shows how white text looks on a background with the Yxy color 92.5315, 0.2925, 0.3372.

# 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

92.5315, 0.2925, 0.3372

### Protanopia

92.1649, 0.3190, 0.3329

### Deuteranopia

92.1385, 0.3175, 0.3242



## Tritanopia

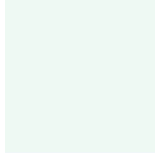
92.3593, 0.3018, 0.3221

# Trichromacy



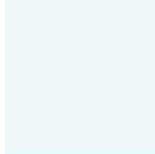
## Original Color

92.5315, 0.2925, 0.3372



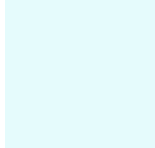
## Protanomaly

92.3996, 0.3093, 0.3350



## Deuteranomaly

91.8241, 0.3077, 0.3280



## Tritanomaly

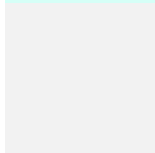
92.6806, 0.2986, 0.3280

# Monochromacy



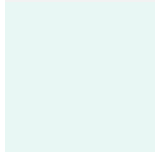
## Original Color

92.5315, 0.2925, 0.3372



## Achromatopsia

88.7923, 0.3127, 0.3290



## Achromatomaly

90.2090, 0.3050, 0.3320

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.5315, 0.2925, 0.3372 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, 247)` looks like.

```
.text, #text, p{  
    color:rgb(214, 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(214, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 92.5315, 0.2925, 0.3372 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, 247) }
```

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

```
.border{ border-color:rgb(214, 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(214, 255, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(214, 255,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.5315, 0.2925, 0.3372 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, 247) }
```

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

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

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor