

# Converting Colors

$Yxy(89.7836, 0.2850, 0.3421)$

Have a look what the booklet for  
Yxy(89.7836, 0.2850, 0.3421)  
contains.

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# Color

**Yxy(89.8614, 0.2850, 0.3417)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5FFF3
RGB	197, 255, 243
RGB Percent	77%, 100%, 95%
CMY	0.2277, 0.0000, 0.0471
CMYK	0.23, 0.00, 0.05, 0.00
HSL	168°, 100%, 89%
HSV	168°, 23%, 100%
XYZ	74.9502, 89.8614, 98.1717
YIQ	236.2900, -30.7160, -16.0280

# Conversions

## Conversions Part 2

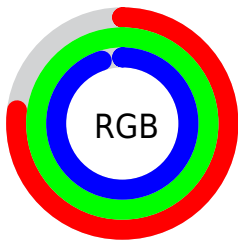
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	197, 229, 255
Decimal	12976115
CIE Lab	95.94, -20.56, -0.22
CIE LCh	96, 20.562, 180.600
Yxy	89.8614, 0.2850, 0.3417
Android (android.graphics.Color)	4291166195 (0xFFC5FFF3)
YUV	236.2900, 3.3080, -34.4573
Hunter-Lab	94.7953, -24.7600, 4.9549

# Details

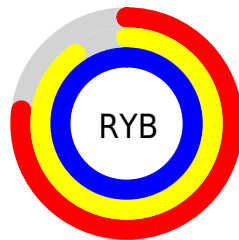
The Yxy color **89.8614, 0.2850, 0.3417** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.7703, 0.3501, 0.3168**, and the grayscale version is **84.0910, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.7268, 0.2790, 0.3441** is the 20% darker color. If you saturate the color by 10%, you get **86.3837, 0.2742, 0.3481**, and if you desaturate by 10%, it is **93.9137, 0.2968, 0.3358**.

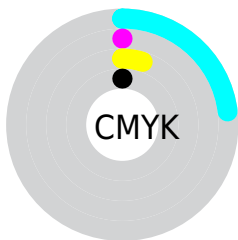
# Distribution



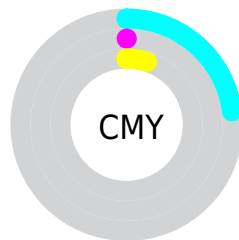
- Red (77%)
- Green (100%)
- Blue (95%)



- Red (77%)
- Yellow (90%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (23%)
- Magenta (0%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.8614, 0.2850, 0.3417 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 89.8614, 0.2850, 0.3417 by changing the saturation by 10% instead.



 89.8614, 0.2850,  
0.3417

 89.8614, 0.2850,  
0.3417

527.5799, 0.2973,  
0.3361

 67.8657, 0.2823,  
0.3429


147.1459, 0.2892,  
0.3398

 49.7885, 0.2790,  
0.3444

183.2034, 0.2908,  
0.3390

 35.2454, 0.2749,  
0.3463


224.7170, 0.2923,  
0.3384

 23.8519, 0.2697,  
0.3487

272.0711, 0.2935,  
0.3378

 15.2238, 0.2629,  
0.3518

325.6500, 0.2946,  
0.3373

 8.9766, 0.2535,  
0.3560


385.8382, 0.2956,


 4.7259, 0.2397,

0.3368

0.3623


453.0200, 0.2965,  
0.3364


 2.0874, 0.2178,  
0.3722


 0.6575, 0.0814,  
0.4350


 89.8614, 0.2850,  
0.3417


 89.8614, 0.2850,  
0.3417


 86.3837, 0.2742,  
0.3481


 93.9137, 0.2968,  
0.3358

 83.4763, 0.2646,  
0.3549

 98.5931, 0.3092,  
0.3304

 81.0990, 0.2565,  
0.3621

 100.0000, 0.3127,  
0.3290

 79.2166, 0.2503,  
0.3696

■ 77.7896, 0.2459,  
0.3772

■ 76.7726, 0.2436,  
0.3849

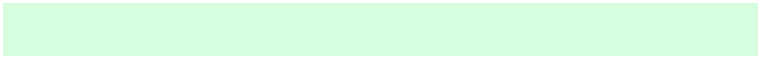
■ 76.1103, 0.2432,  
0.3926

■ 75.7939, 0.2439,  
0.3980

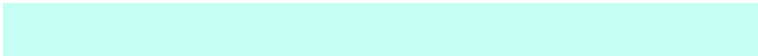
# Harmonies

## Analogous

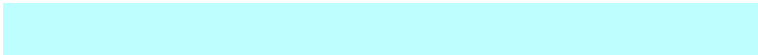
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.8614, 0.3057, 0.3603



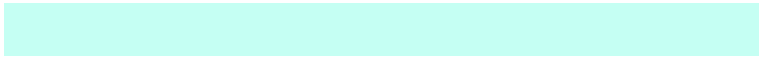
89.8614, 0.2850, 0.3417



89.8614, 0.2719, 0.3200

# Triad

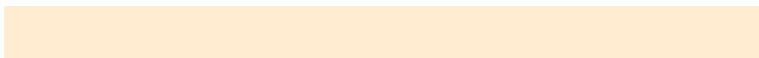
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.8614, 0.2850, 0.3417



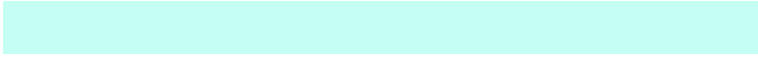
89.8614, 0.2955, 0.2915



89.8614, 0.3581, 0.3541

# Complementary

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



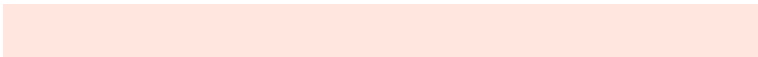
89.8614, 0.2850, 0.3417



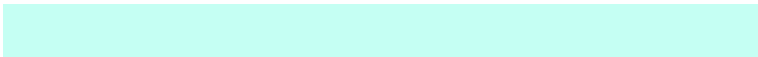
65.7703, 0.3501, 0.3168

# 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.



89.8614, 0.3553, 0.3356



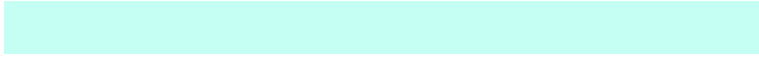
89.8614, 0.2850, 0.3417



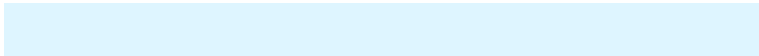
89.8614, 0.3185, 0.3004

# Square

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



89.8614, 0.2850, 0.3417



89.8614, 0.2777, 0.2918



89.8614, 0.3406, 0.3162

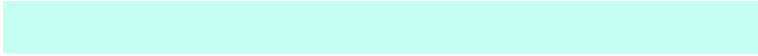


89.8614, 0.3482, 0.3669



# Rectangle

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



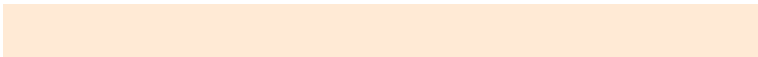
89.8614, 0.2850, 0.3417



89.8614, 0.2689, 0.3071



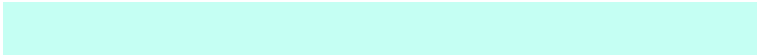
89.8614, 0.3406, 0.3162



89.8614, 0.3586, 0.3483

# Sweetspot

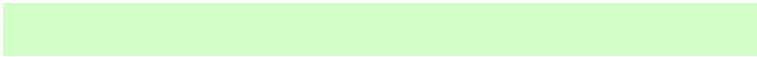
The Sweet Spot groups the original color and five complimentary colors.



89.8530, 0.2850, 0.3417



96.5346, 0.3039, 0.3326



89.1808, 0.3175, 0.3917



20.6016, 0.3031, 0.3329



0.0000, 0.0000, 0.0000

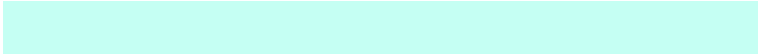


21.4041, 0.3127, 0.3290

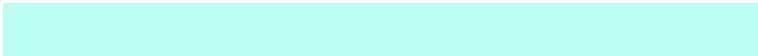


# Same Dimension

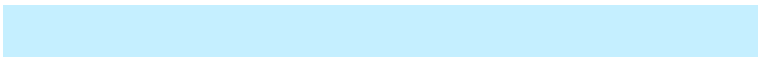
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.8530, 0.2850, 0.3417



88.3135, 0.2803, 0.3443



80.5540, 0.2775, 0.3114



20.4132, 0.3008, 0.3340



39.6264, 0.2436, 0.3968



3.8737, 0.2411, 0.3881



# Inverse Universe

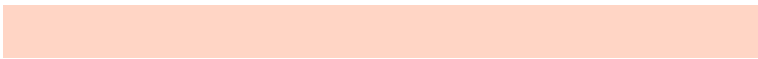
The Inverse Universe completely reimagines the original color for something new.



65.7703, 0.3501, 0.3168



60.6302, 0.3593, 0.3143



73.0764, 0.3561, 0.3460



18.0486, 0.3262, 0.3241



11.2593, 0.6061, 0.3113

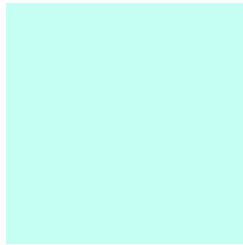


1.1112, 0.5760, 0.2947



# Previews

## White Background



This preview shows how the Yxy color 89.8614, 0.2850, 0.3417 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

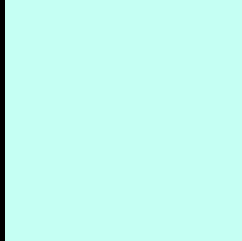
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.8614, 0.2850, 0.3417 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

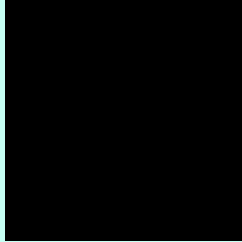
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

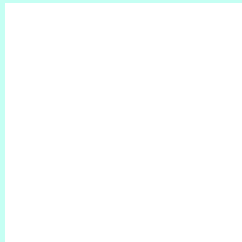
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.8614, 0.2850, 0.3417**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.8614, 0.2850, 0.3417.

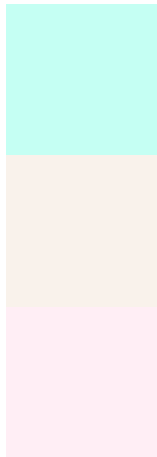


This preview shows how white text looks on a background with the Yxy color 89.8614, 0.2850, 0.3417.

# 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

89.8614, 0.2850, 0.3417

### Protanopia

89.6422, 0.3216, 0.3359

### Deuteranopia

89.0016, 0.3197, 0.3222



## Tritanopia

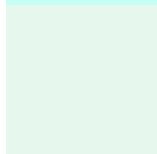
89.4624, 0.2957, 0.3199

# Trichromacy



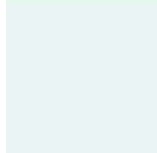
## Original Color

89.8614, 0.2850, 0.3417



## Protanomaly

89.5176, 0.3072, 0.3382



## Deuteranomaly

88.7254, 0.3063, 0.3290



## Tritanomaly

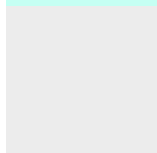
89.3153, 0.2914, 0.3269

# Monochromacy



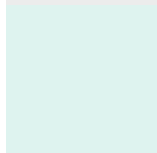
## Original Color

89.8614, 0.2850, 0.3417



## Achromatopsia

83.8799, 0.3127, 0.3290



## Achromatomaly

85.8628, 0.3017, 0.3331

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.8614, 0.2850, 0.3417 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(197, 255, 243)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 243)  
}
```

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(197, 255, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 89.8614, 0.2850, 0.3417 is called "border". The border property can be set on classes, ids or directly on the HTML element.

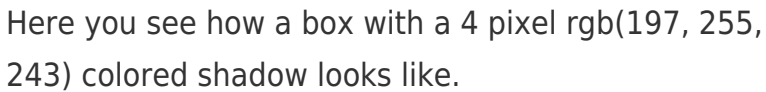
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 255, 243) }
```

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

```
.border{ border-color:rgb(197, 255, 243) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 255, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 255, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 255, 243); box-shadow:4px 4px 4px 4px rgb(197, 255, 243) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.8614, 0.2850, 0.3417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 243) }
```

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

```
.background{ background-color: rgb(197,  
255, 243) }
```

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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