

# Converting Colors

$Yxy(89.2435, 0.2924, 0.3236)$

Have a look what the booklet for  
Yxy(89.2435, 0.2924, 0.3236)  
contains.

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# Color

**Yxy(89.4423, 0.2926, 0.3238)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCF8FD
RGB	220, 248, 253
RGB Percent	86%, 97%, 99%
CMY	0.1371, 0.0275, 0.0077
CMYK	0.13, 0.02, 0.00, 0.01
HSL	189°, 89%, 93%
HSV	189°, 13%, 99%
XYZ	80.8240, 89.4423, 105.9607
YIQ	240.1980, -18.2930, -4.3810

# Conversions

## Conversions Part 2

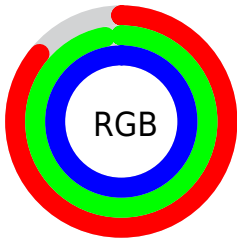
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	220, 235, 253
Decimal	14481661
CIE <sub>Lab</sub>	95.76, -8.04, -5.50
CIE <sub>LCh</sub>	96, 9.743, 214.341
Y <sub>xy</sub>	89.4423, 0.2926, 0.3238
Android (android.graphics.Color)	4292671741 (0xFFDC <sub>F8</sub> FD)
Y <sub>UV</sub>	240.1980, 6.3114, -17.7136
Hunter-Lab	94.5739, -12.9562, -0.2268

# Details

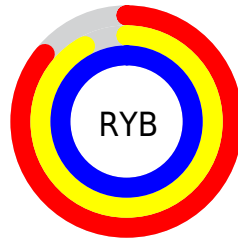
The Yxy color **89.4423, 0.2926, 0.3238** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.9509, 0.3360, 0.3341**, and the grayscale version is **87.2690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.6841, 0.2888, 0.3237** is the 20% darker color. If you saturate the color by 10%, you get **83.4386, 0.2778, 0.3194**, and if you desaturate by 10%, it is **96.1001, 0.3080, 0.3278**.

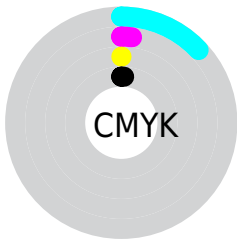
# Distribution



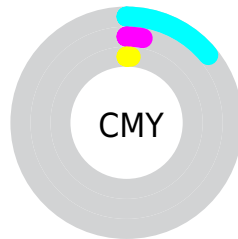
- Red (86%)
- Green (97%)
- Blue (99%)



- Red (86%)
- Yellow (92%)
- Blue (99%)



- Cyan (13%)
- Magenta (2%)
- Yellow (0%)
- Black (1%)




- Cyan (14%)
- Magenta (3%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.4423, 0.2926, 0.3238 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 89.4423, 0.2926, 0.3238 by changing the saturation by 10% instead.




 89.4423, 0.2926,  
0.3238

 89.4423, 0.2926,  
0.3238


526.2150, 0.3015,  
0.3262

 67.5182, 0.2906,  
0.3233


146.5635, 0.2956,  
0.3246

 49.5059, 0.2883,  
0.3226

182.5293, 0.2968,  
0.3250

 35.0209, 0.2853,  
0.3217


223.9446, 0.2979,  
0.3252

 23.6790, 0.2816,  
0.3206

271.1935, 0.2988,  
0.3255

 15.0957, 0.2767,  
0.3192

324.6607, 0.2996,  
0.3257

 8.8866, 0.2699,  
0.3171

384.7304, 0.3003,

 4.6673, 0.2601,

0.3259

0.3138

451.7870, 0.3009,  
0.3260

■ 2.0534, 0.2444,  
0.3083

■ 0.6382, 0.1924,  
0.2993

■ 89.4423, 0.2926,  
0.3238

■ 89.4423, 0.2926,  
0.3238

■ 83.4386, 0.2778,  
0.3194

■ 96.1001, 0.3080,  
0.3278

■ 78.0508, 0.2638,  
0.3147

99.8741, 0.3138,  
0.3309

■ 73.2535, 0.2509,  
0.3096

■ 69.0151, 0.2396,  
0.3044

■ 65.3008, 0.2299,  
0.2989

■ 62.0716, 0.2222,  
0.2934

■ 59.2824, 0.2164,  
0.2879

■ 56.8783, 0.2126,  
0.2825

■ 55.3773, 0.2108,  
0.2787

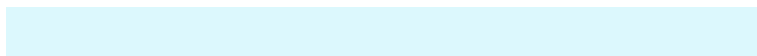
# Harmonies

## Analogous

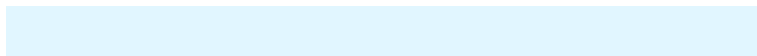
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4423, 0.2985, 0.3338



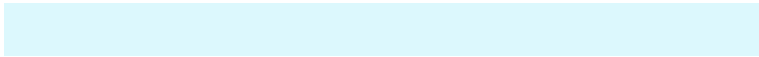
89.4423, 0.2926, 0.3238



89.4423, 0.2920, 0.3154

# Triad

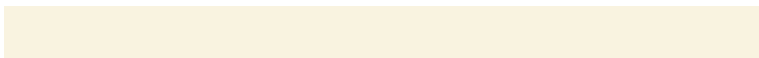
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.4423, 0.2926, 0.3238



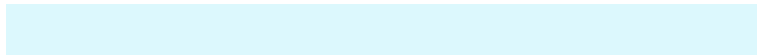
89.4423, 0.3170, 0.3159



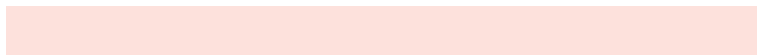
89.4423, 0.3287, 0.3474

# Complementary

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



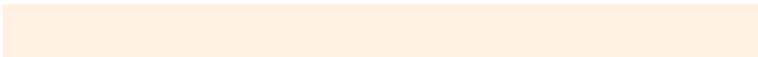
89.4423, 0.2926, 0.3238



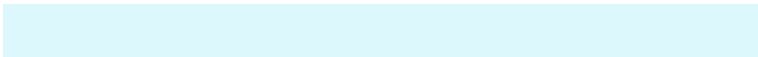
79.9509, 0.3360, 0.3341

# 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.



89.4423, 0.3339, 0.3422



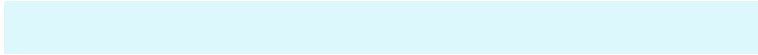
89.4423, 0.2926, 0.3238



89.4423, 0.3271, 0.3241

# Square

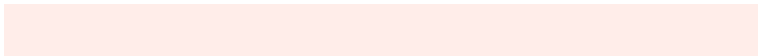
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.4423, 0.2926, 0.3238



89.4423, 0.3059, 0.3111



89.4423, 0.3333, 0.3336

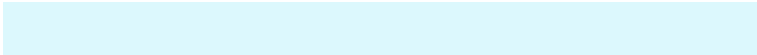


89.4423, 0.3193, 0.3477

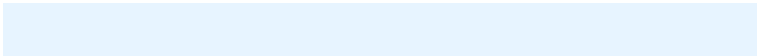


# Rectangle

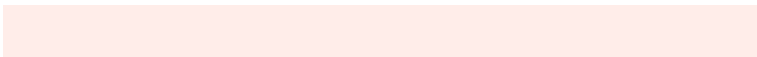
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.4423, 0.2926, 0.3238



89.4423, 0.2947, 0.3119



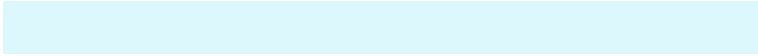
89.4423, 0.3333, 0.3336



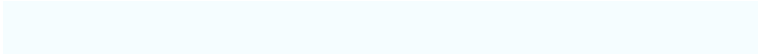
89.4423, 0.3310, 0.3462

# Sweetspot

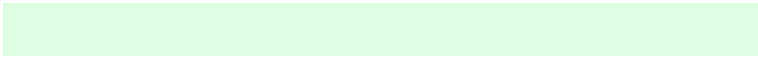
The Sweet Spot groups the original color and five complimentary colors.



89.4460, 0.2926, 0.3238



97.1262, 0.3065, 0.3275



90.9295, 0.3083, 0.3582



20.6760, 0.3053, 0.3272



0.0000, 0.0000, 0.0000

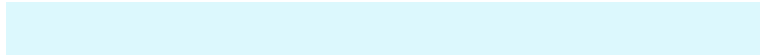


21.4041, 0.3127, 0.3290



# Same Dimension

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



89.4460, 0.2926, 0.3238



89.1533, 0.2881, 0.3225



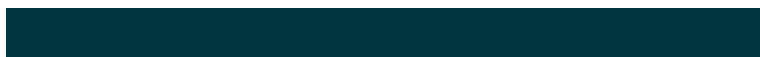
79.7955, 0.2921, 0.3067



19.9807, 0.2980, 0.3253



29.6238, 0.2110, 0.2796



3.0066, 0.2127, 0.2858



# Inverse Universe

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



78.8713, 0.3175, 0.3015



76.2794, 0.3188, 0.2951



89.2568, 0.3338, 0.3503



18.2499, 0.3162, 0.3091



13.7185, 0.3638, 0.1778

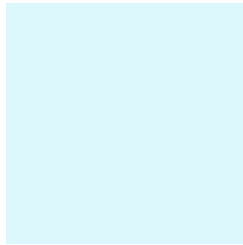


1.3481, 0.3582, 0.1747



# Previews

## White Background



This preview shows how the Yxy color 89.4423, 0.2926, 0.3238 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

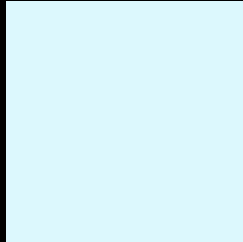
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.4423, 0.2926, 0.3238 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

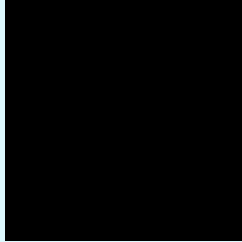
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 89.4423, 0.2926, 0.3238**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.4423, 0.2926, 0.3238.

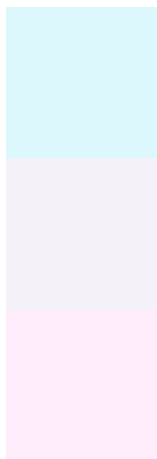


This preview shows how white text looks on a background with the Yxy color 89.4423, 0.2926, 0.3238.

# 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

89.4423, 0.2926, 0.3238

### Protanopia

89.1626, 0.3105, 0.3211

### Deuteranopia

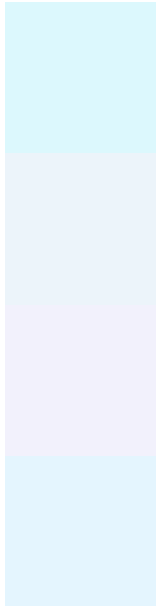
88.8566, 0.3154, 0.3145



## Tritanopia

89.0772, 0.2987, 0.3180

# Trichromacy



## Original Color

89.4423, 0.2926, 0.3238

## Protanomaly

89.4364, 0.3041, 0.3230

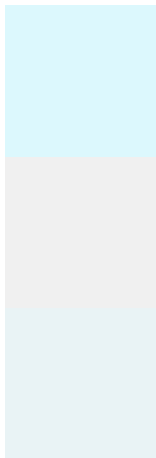
## Deuteranomaly

88.8161, 0.3068, 0.3181

## Tritanomaly

88.9546, 0.2968, 0.3199

# Monochromacy



## Original Color

89.4423, 0.2926, 0.3238

## Achromatopsia

87.1367, 0.3127, 0.3290

## Achromatomaly

88.0174, 0.3051, 0.3270

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.4423, 0.2926, 0.3238 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(220, 248, 253)` looks like.

```
.text, #text, p{  
    color:rgb(220, 248, 253)  
}
```

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(220, 248, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 248, 253) }
```

## Border

The CSS property to change the border of an element to Yxy 89.4423, 0.2926, 0.3238 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(220, 248, 253) }
```

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

```
.border{ border-color:rgb(220, 248, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 248, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 248, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 248, 253);  
box-shadow:4px 4px 4px 4px rgb(220, 248,  
253) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.4423, 0.2926, 0.3238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 248, 253) }
```

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

```
.background{ background-color: rgb(220,  
248, 253) }
```

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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