

Converting Colors

$Yxy(89.7730, 0.2843, 0.3187)$

Have a look what the booklet for
Yxy(89.7730, 0.2843, 0.3187)
contains.

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Color

Yxy(89.5883, 0.2869, 0.3238)

Conversions

Conversions Part 1

Format	Color
Hex	D4FAFF
RGB	212, 250, 255
RGB Percent	83%, 98%, 100%
CMY	0.1688, 0.0196, 0.0000
CMYK	0.17, 0.02, 0.00, 0.00
HSL	187°, 100%, 92%
HSV	187°, 17%, 100%
XYZ	79.3789, 89.5883, 107.7107
YIQ	239.2080, -24.2530, -6.5010

Conversions

Conversions Part 2

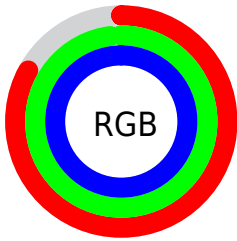
Format	Color
R _Y B	212, 232, 255
Decimal	13957887
CIE Lab	95.83, -11.15, -6.48
CIE LCh	96, 12.892, 210.157
Yxy	89.5883, 0.2869, 0.3238
Android (android.graphics.Color)	4292147967 (0xFFD4FAFF)
YUV	239.2080, 7.7855, -23.8614
Hunter-Lab	94.6511, -15.9409, -1.2148

Details

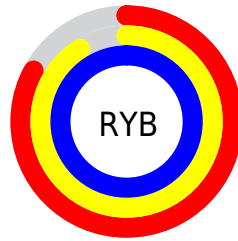
The Yxy color **89.5883, 0.2869, 0.3238** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.6107, 0.3443, 0.3341**, and the grayscale version is **86.4372, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.8289, 0.2818, 0.3236** is the 20% darker color. If you saturate the color by 10%, you get **84.2771, 0.2725, 0.3204**, and if you desaturate by 10%, it is **95.5340, 0.3020, 0.3270**.

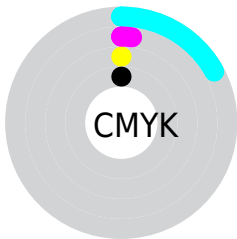
Distribution



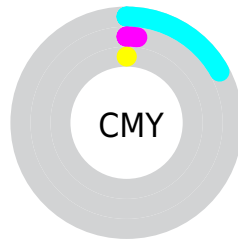
- Red (83%)
- Green (98%)
- Blue (100%)



- Red (83%)
- Yellow (91%)
- Blue (100%)



- Cyan (17%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (17%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.5883, 0.2869, 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 89.5883, 0.2869, 0.3238 by changing the saturation by 10% instead.

 89.5883, 0.2869,
0.3238

 89.5883, 0.2869,
0.3238


526.6907, 0.2983,
0.3262

 67.6392, 0.2844,
0.3232


146.7664, 0.2908,
0.3247

 49.6043, 0.2814,
0.3225

182.7642, 0.2923,
0.3250

 35.0991, 0.2776,
0.3217


224.2137, 0.2936,
0.3253

 23.7392, 0.2729,
0.3205

271.4993, 0.2948,
0.3255

 15.1403, 0.2666,
0.3189

325.0055, 0.2958,
0.3257

 8.9179, 0.2581,
0.3166

385.1165, 0.2967,

 4.6877, 0.2457,

0.3259

0.3131

452.2167, 0.2976,
0.3261

■ 2.0652, 0.2262,
0.3069

■ 0.6449, 0.1583,
0.2995

■ 89.5883, 0.2869,
0.3238

■ 89.5883, 0.2869,
0.3238

■ 84.2771, 0.2725,
0.3204

■ 95.5340, 0.3020,
0.3270

■ 79.5612, 0.2592,
0.3167

99.9997, 0.3127,
0.3290

■ 75.4139, 0.2473,
0.3129

■ 71.8019, 0.2371,
0.3089

■ 68.6885, 0.2286,
0.3048

■ 66.0320, 0.2222,
0.3007

■ 63.7834, 0.2177,
0.2966

■ 61.8806, 0.2149,
0.2926

■ 61.3273, 0.2143,
0.2913

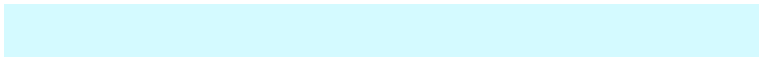
Harmonies

Analogous

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



89.5883, 0.2955, 0.3372



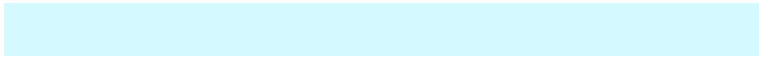
89.5883, 0.2869, 0.3238



89.5883, 0.2851, 0.3123

Triad

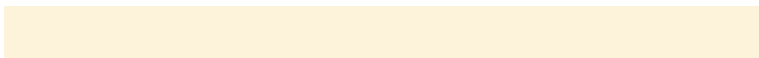
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.5883, 0.2869, 0.3238



89.5883, 0.3163, 0.3106



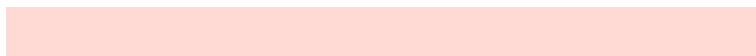
89.5883, 0.3352, 0.3527

Complementary

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



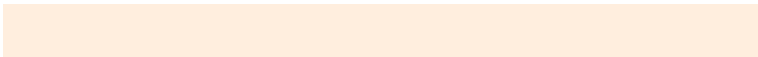
89.5883, 0.2869, 0.3238



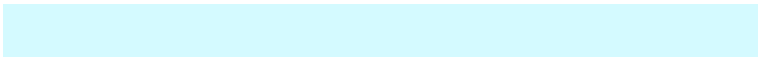
75.6107, 0.3443, 0.3341

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.



89.5883, 0.3411, 0.3449



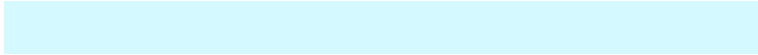
89.5883, 0.2869, 0.3238



89.5883, 0.3301, 0.3208

Square

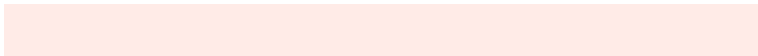
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.5883, 0.2869, 0.3238



89.5883, 0.3018, 0.3051



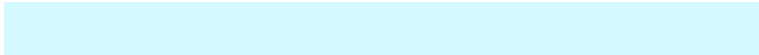
89.5883, 0.3392, 0.3333



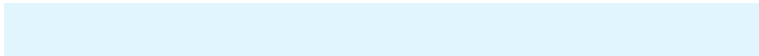
89.5883, 0.3233, 0.3542

Rectangle

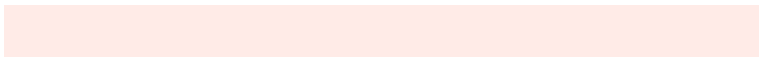
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.5883, 0.2869, 0.3238



89.5883, 0.2879, 0.3071



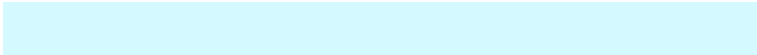
89.5883, 0.3392, 0.3333



89.5883, 0.3380, 0.3507

Sweetspot

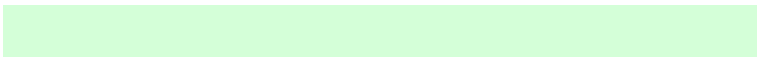
The Sweet Spot groups the original color and five complimentary colors.



89.5920, 0.2869, 0.3238



96.7234, 0.3049, 0.3275



90.4811, 0.3082, 0.3701



20.6071, 0.3038, 0.3273



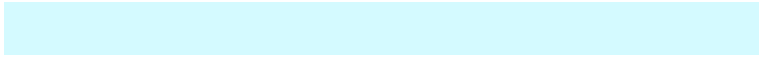
0.0000, 0.0000, 0.0000



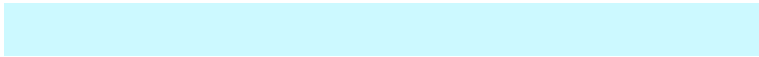
21.4041, 0.3127, 0.3290

Same Dimension

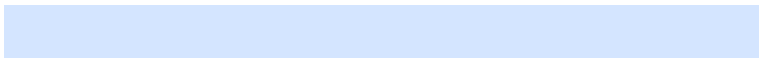
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.5920, 0.2869, 0.3238



87.8680, 0.2823, 0.3228



77.3499, 0.2859, 0.3018



20.1011, 0.2980, 0.3262



32.1893, 0.2145, 0.2920



3.2317, 0.2157, 0.2966

Inverse Universe

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



75.2333, 0.3181, 0.2917



71.2913, 0.3192, 0.2846



87.0346, 0.3409, 0.3548



18.2620, 0.3156, 0.3082



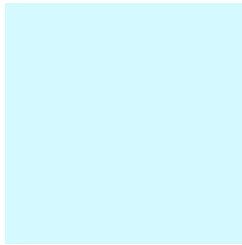
13.9775, 0.3525, 0.1716



1.3708, 0.3484, 0.1693

Previews

White Background



This preview shows how the Yxy color 89.5883, 0.2869, 0.3238 looks on a white background.

Color Contrast Check

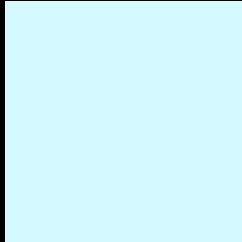
Large Text (above 18pt) WCAG AA × Fail

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 89.5883, 0.2869, 0.3238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

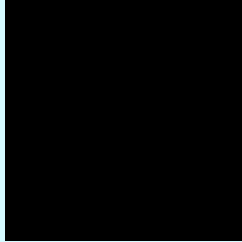
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.5883, 0.2869, 0.3238

Background



This preview shows how black text looks on a background with the Yxy color 89.5883, 0.2869, 0.3238.

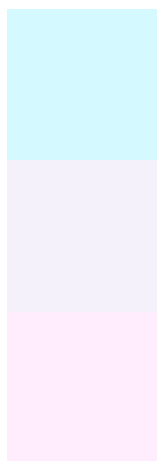


This preview shows how white text looks on a background with the Yxy color 89.5883, 0.2869, 0.3238.

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

89.5883, 0.2869, 0.3238

Protanopia

89.2252, 0.3099, 0.3201

Deuteranopia

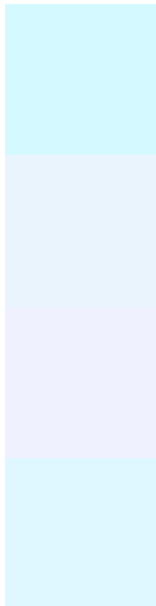
88.9841, 0.3141, 0.3126



Tritanopia

89.3478, 0.2975, 0.3189

Trichromacy



Original Color

89.5883, 0.2869, 0.3238

Protanomaly

89.0533, 0.3010, 0.3210

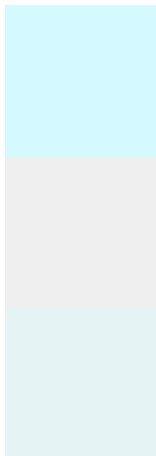
Deuteranomaly

89.0107, 0.3037, 0.3171

Tritanomaly

89.4295, 0.2933, 0.3208

Monochromacy



Original Color

89.5883, 0.2869, 0.3238

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

87.3518, 0.3026, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.5883, 0.2869, 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(212, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 250, 255)  
}
```

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(212, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 250, 255) }
```

Border

The CSS property to change the border of an element to Yxy 89.5883, 0.2869, 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(212, 250, 255) }
```

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

```
.border{ border-color:rgb(212, 250, 255) }
```

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

Here you see how a box with a 4 pixel rgb(212, 250, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 250,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 89.5883, 0.2869, 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(212, 250, 255) }
```

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

```
.background{ background-color: rgb(212,  
250, 255) }
```

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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