

Converting Colors

$Yxy(89.5880, 0.2871, 0.3462)$

Have a look what the booklet for
Yxy(89.5880, 0.2871, 0.3462)
contains.

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Color

Yxy(89.6223, 0.2871, 0.3460)

Conversions

Conversions Part 1

Format	Color
Hex	C5FFEF
RGB	197, 255, 239
RGB Percent	77%, 100%, 94%
CMY	0.2274, 0.0000, 0.0628
CMYK	0.23, 0.00, 0.06, 0.00
HSL	163°, 100%, 89%
HSV	163°, 23%, 100%
XYZ	74.3658, 89.6223, 95.0359
YIQ	235.8340, -29.4320, -17.2720

Conversions

Conversions Part 2

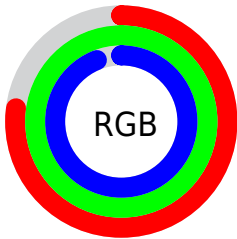
Format	Color
R_{YB}	197, 231, 255
Decimal	12976111
CIE Lab	95.84, -21.34, 1.69
CIE LCh	96, 21.404, 175.464
Yxy	89.6223, 0.2871, 0.3460
Android (android.graphics.Color)	4291166191 (0xFFC5FFEF)
YUV	235.8340, 1.5608, -34.0574
Hunter-Lab	94.6691, -25.4530, 6.7486

Details

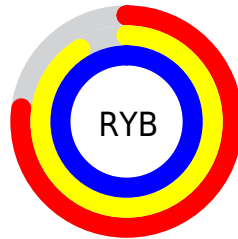
The Yxy color **89.6223, 0.2871, 0.3460** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.9995, 0.3469, 0.3127**, and the grayscale version is **83.7521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8108, 0.3121, 0.3290**, and **49.5578, 0.2815, 0.3497** is the 20% darker color. If you saturate the color by 10%, you get **86.0586, 0.2770, 0.3546**, and if you desaturate by 10%, it is **93.7854, 0.2980, 0.3381**.

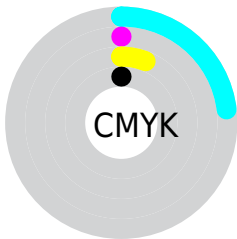
Distribution



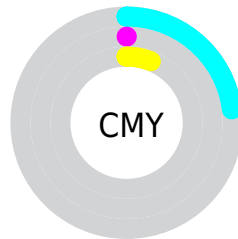
- Red (77%)
- Green (100%)
- Blue (94%)



- Red (77%)
- Yellow (91%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (23%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.6223, 0.2871, 0.3460 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 89.6223, 0.2871, 0.3460 by changing the saturation by 10% instead.

 89.6223, 0.2871,
0.3460

 89.6223, 0.2871,
0.3460


526.8014, 0.2985,
0.3384

 67.6674, 0.2846,
0.3477


146.8136, 0.2910,
0.3434

 49.6272, 0.2815,
0.3497


182.8189, 0.2925,
0.3424

 35.1173, 0.2777,
0.3523


224.2764, 0.2939,
0.3415

 23.7532, 0.2728,
0.3556

271.5705, 0.2950,
0.3407

 15.1507, 0.2664,
0.3600

325.0857, 0.2961,
0.3400

 8.9252, 0.2575,
0.3661

385.2063, 0.2970,

 4.6924, 0.2444,

0.3394

0.3752

452.3168, 0.2978,
0.3389

■ 2.0680, 0.2233,
0.3901

■ 0.6465, 0.0706,
0.4877

■ 89.6223, 0.2871,
0.3460

■ 89.6223, 0.2871,
0.3460

■ 86.0586, 0.2770,
0.3546

■ 93.7854, 0.2980,
0.3381


■ 83.0635, 0.2681,
0.3639

■ 98.5737, 0.3095,
0.3308


■ 80.6052, 0.2607,
0.3737

■ 100.0000, 0.3127,
0.3290

■ 78.6487, 0.2549,
0.3840

 77.1543, 0.2512,
0.3945

 76.0764, 0.2494,
0.4050

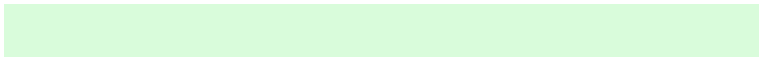
 75.3597, 0.2497,
0.4155

 75.0072, 0.2508,
0.4230

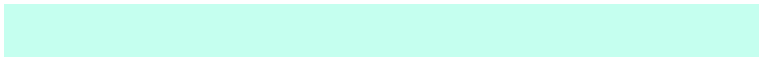
Harmonies

Analogous

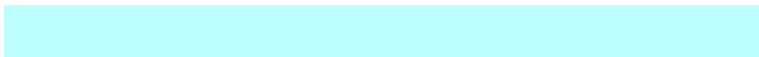
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.6223, 0.3095, 0.3642



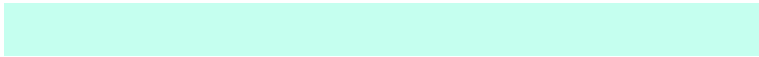
89.6223, 0.2871, 0.3460



89.6223, 0.2718, 0.3233

Triad

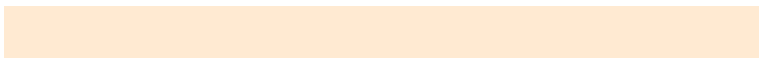
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.6223, 0.2871, 0.3460



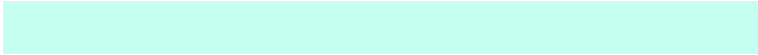
89.6223, 0.2911, 0.2893



89.6223, 0.3605, 0.3520

Complementary

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



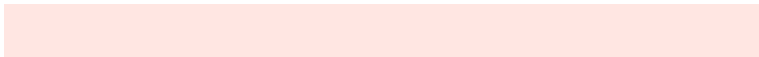
89.6223, 0.2871, 0.3460



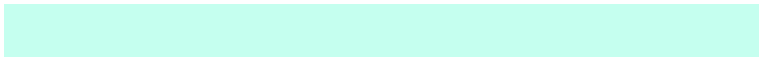
65.9995, 0.3469, 0.3127

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.



89.6223, 0.3553, 0.3323



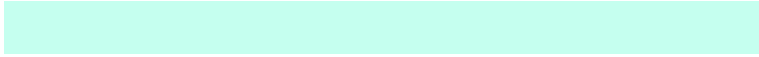
89.6223, 0.2871, 0.3460



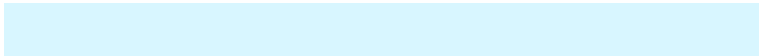
89.6223, 0.3145, 0.2971

Square

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



89.6223, 0.2871, 0.3460



89.6223, 0.2740, 0.2914



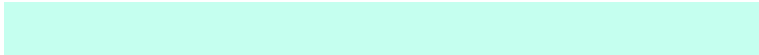
89.6223, 0.3382, 0.3125



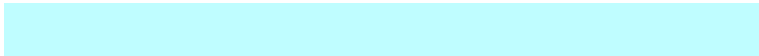
89.6223, 0.3523, 0.3668

Rectangle

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



89.6223, 0.2871, 0.3460



89.6223, 0.2674, 0.3093



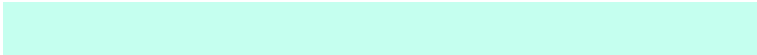
89.6223, 0.3382, 0.3125



89.6223, 0.3603, 0.3457

Sweetspot

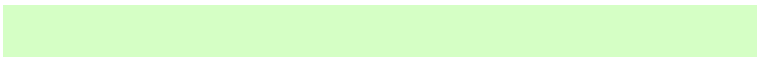
The Sweet Spot groups the original color and five complimentary colors.



89.6228, 0.2871, 0.3460



96.4571, 0.3046, 0.3338



89.7631, 0.3199, 0.3912



20.5836, 0.3039, 0.3343



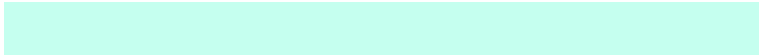
0.0000, 0.0000, 0.0000



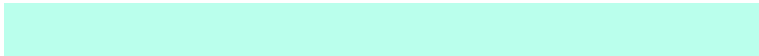
21.4041, 0.3127, 0.3290

Same Dimension

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



89.6228, 0.2871, 0.3460



88.0340, 0.2827, 0.3496



82.8543, 0.2779, 0.3156



20.3909, 0.3017, 0.3356



39.2194, 0.2504, 0.4213



3.8372, 0.2471, 0.4094

Inverse Universe

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



65.9995, 0.3469, 0.3127



60.8561, 0.3553, 0.3095



71.1730, 0.3569, 0.3420



18.0694, 0.3251, 0.3225



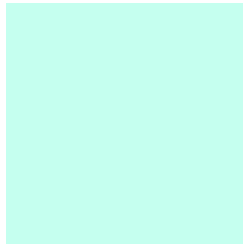
11.3638, 0.5851, 0.2997



1.1240, 0.5533, 0.2821

Previews

White Background



This preview shows how the Yxy color 89.6223, 0.2871, 0.3460 looks on a white background.

Color Contrast Check

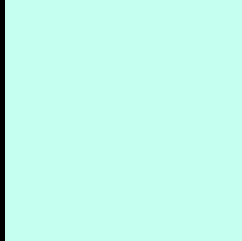
Large Text (above 18pt) WCAG AA × Fail

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 89.6223, 0.2871, 0.3460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

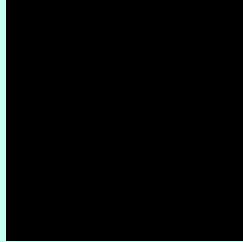
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

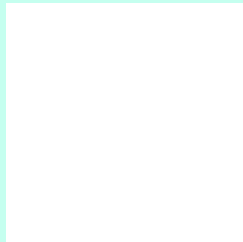
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.6223, 0.2871, 0.3460

Background



This preview shows how black text looks on a background with the Yxy color 89.6223, 0.2871, 0.3460.

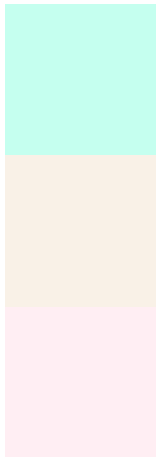


This preview shows how white text looks on a background with the Yxy color 89.6223, 0.2871, 0.3460.

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

89.6223, 0.2871, 0.3460

Protanopia

88.8199, 0.3242, 0.3390

Deuteranopia

88.8801, 0.3209, 0.3242



Tritanopia

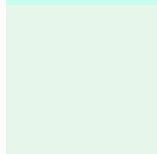
89.3003, 0.2950, 0.3199

Trichromacy



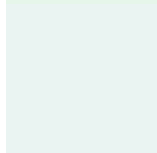
Original Color

89.6223, 0.2871, 0.3460



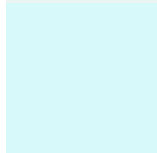
Protanomaly

88.6750, 0.3096, 0.3413



Deuteranomaly

88.6046, 0.3075, 0.3310



Tritanomaly

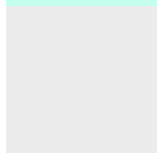
89.0380, 0.2919, 0.3289

Monochromacy



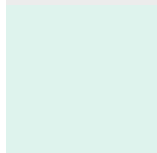
Original Color

89.6223, 0.2871, 0.3460



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.7452, 0.3028, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.6223, 0.2871, 0.3460 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, 239)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 239)  
}
```

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, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 239) }
```

Border

The CSS property to change the border of an element to Yxy 89.6223, 0.2871, 0.3460 is called "border". The border property can be set on classes, ids or directly on the HTML element.

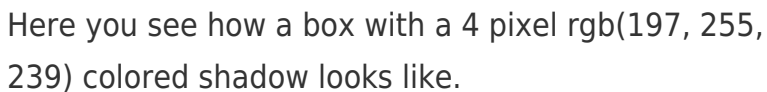
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 255, 239) }
```

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

```
.border{ border-color:rgb(197, 255, 239) }
```

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, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 255, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 255, 239); box-shadow:4px 4px 4px 4px rgb(197, 255, 239) }
```


Background

The CSS property to change the background color of an element to Yxy 89.6223, 0.2871, 0.3460 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, 239) }
```

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

```
.background{ background-color: rgb(197,  
255, 239) }
```

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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