

Converting Colors

$Yxy(89.7340, 0.2871, 0.3453)$

Have a look what the booklet for
Yxy(89.7340, 0.2871, 0.3453)
contains.

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Color

Yxy(89.8170, 0.2871, 0.3449)

Conversions

Conversions Part 1

Format	Color
Hex	C6FFF0
RGB	198, 255, 240
RGB Percent	78%, 100%, 94%
CMY	0.2238, 0.0000, 0.0588
CMYK	0.22, 0.00, 0.06, 0.00
HSL	164°, 100%, 89%
HSV	164°, 22%, 100%
XYZ	74.7650, 89.8170, 95.8326
YIQ	236.2470, -29.1570, -16.7490

Conversions

Conversions Part 2

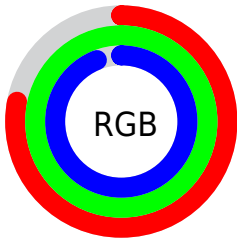
Format	Color
R_{YB}	198, 231, 255
Decimal	13041648
CIE _{Lab}	95.92, -20.86, 1.30
CIE _{LCh}	96, 20.903, 176.435
Yxy	89.8170, 0.2871, 0.3449
Android (android.graphics.Color)	4291231728 (0xFFC6FFF0)
YUV	236.2470, 1.8502, -33.5426
Hunter-Lab	94.7718, -25.0329, 6.3867

Details

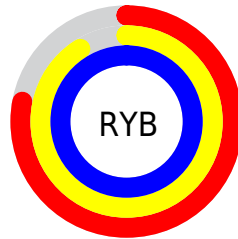
The Yxy color **89.8170, 0.2871, 0.3449** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.4233, 0.3468, 0.3137**, and the grayscale version is **84.0676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.6885, 0.2816, 0.3482** is the 20% darker color. If you saturate the color by 10%, you get **86.2410, 0.2768, 0.3531**, and if you desaturate by 10%, it is **93.9756, 0.2982, 0.3374**.

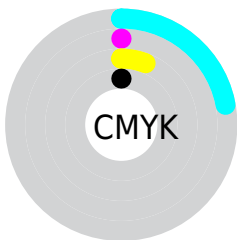
Distribution



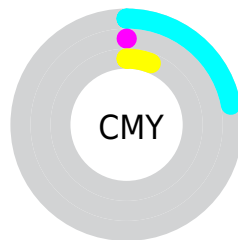
- Red (78%)
- Green (100%)
- Blue (94%)



- Red (78%)
- Yellow (91%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.8170, 0.2871, 0.3449 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 89.8170, 0.2871, 0.3449 by changing the saturation by 10% instead.


 89.8170, 0.2871,
0.3449

 89.8170, 0.2871,
0.3449


527.4354, 0.2985,
0.3378

 67.8289, 0.2846,
0.3465


147.0842, 0.2910,
0.3425

 49.7585, 0.2815,
0.3484


183.1320, 0.2925,
0.3415

 35.2216, 0.2777,
0.3508


224.6352, 0.2938,
0.3407

 23.8336, 0.2729,
0.3538

271.9782, 0.2950,
0.3400

 15.2102, 0.2665,
0.3579

325.5453, 0.2960,
0.3393

 8.9671, 0.2576,
0.3635

385.7209, 0.2970,

 4.7197, 0.2446,

0.3388

0.3719

452.8895, 0.2978,
0.3382

■ 2.0838, 0.2237,
0.3855

■ 0.6555, 0.0817,
0.4709

■ 89.8170, 0.2871,
0.3449

■ 89.8170, 0.2871,
0.3449

■ 86.2410, 0.2768,
0.3531

■ 93.9756, 0.2982,
0.3374

■ 83.2414, 0.2678,
0.3619

■ 98.7671, 0.3099,
0.3305

■ 80.7784, 0.2601,
0.3712

■ 100.0000, 0.3127,
0.3290

■ 78.8172, 0.2542,
0.3809

■ 77.3183, 0.2503,
0.3908

■ 76.2363, 0.2484,
0.4008

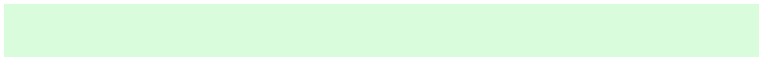
■ 75.5165, 0.2484,
0.4107

■ 75.1492, 0.2495,
0.4182

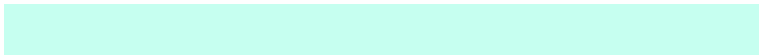
Harmonies

Analogous

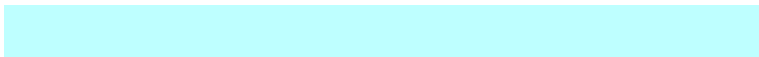
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.8170, 0.3089, 0.3629



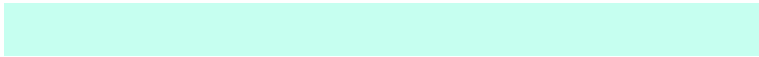
89.8170, 0.2871, 0.3449



89.8170, 0.2724, 0.3228

Triad

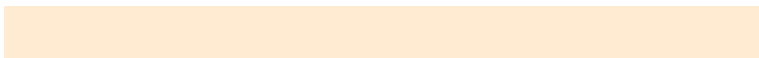
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.8170, 0.2871, 0.3449



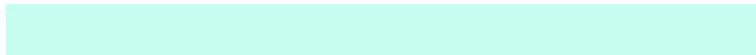
89.8170, 0.2923, 0.2904



89.8170, 0.3593, 0.3521

Complementary

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



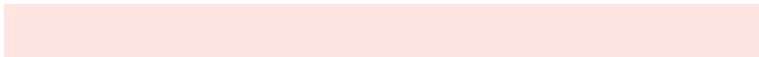
89.8170, 0.2871, 0.3449



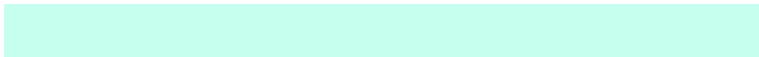
66.4233, 0.3468, 0.3137

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.



89.8170, 0.3546, 0.3329



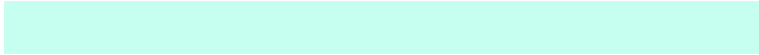
89.8170, 0.2871, 0.3449



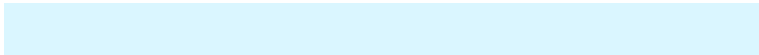
89.8170, 0.3152, 0.2982

Square

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



89.8170, 0.2871, 0.3449



89.8170, 0.2753, 0.2920



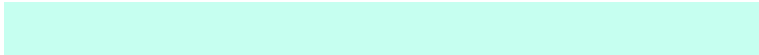
89.8170, 0.3383, 0.3135



89.8170, 0.3509, 0.3662

Rectangle

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



89.8170, 0.2871, 0.3449



89.8170, 0.2684, 0.3092



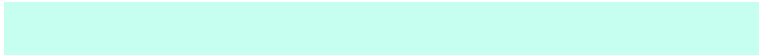
89.8170, 0.3383, 0.3135



89.8170, 0.3592, 0.3460

Sweetspot

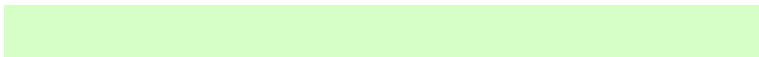
The Sweet Spot groups the original color and five complimentary colors.



89.8093, 0.2871, 0.3449



96.4718, 0.3044, 0.3336



89.7644, 0.3192, 0.3902



20.5870, 0.3037, 0.3340



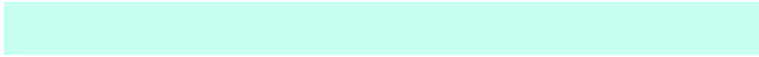
0.0000, 0.0000, 0.0000



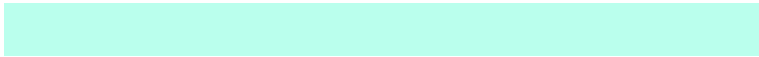
21.4041, 0.3127, 0.3290

Same Dimension

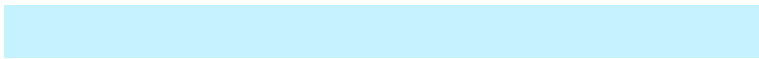
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.8093, 0.2871, 0.3449



88.0865, 0.2822, 0.3486



82.5360, 0.2783, 0.3148



20.3951, 0.3015, 0.3353



39.2930, 0.2491, 0.4166



3.8438, 0.2459, 0.4053

Inverse Universe

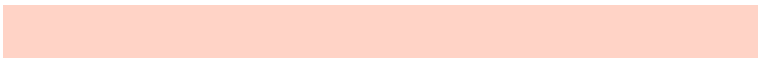
The Inverse Universe completely reimagines the original color for something new.



66.4233, 0.3468, 0.3137



60.8127, 0.3561, 0.3104



72.0506, 0.3558, 0.3428



18.0655, 0.3253, 0.3228



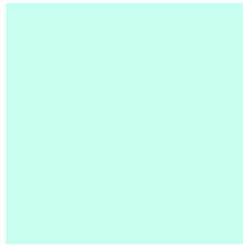
11.3415, 0.5895, 0.3021



1.1213, 0.5577, 0.2846

Previews

White Background



This preview shows how the Yxy color 89.8170, 0.2871, 0.3449 looks on a white background.

Color Contrast Check

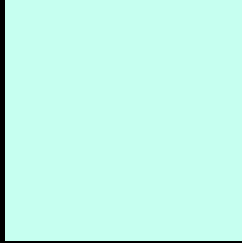
Large Text (above 18pt) WCAG AA × Fail

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 89.8170, 0.2871, 0.3449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

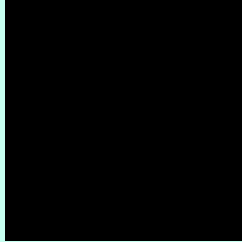
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

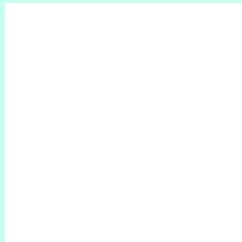
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.8170, 0.2871, 0.3449

Background



This preview shows how black text looks on a background with the Yxy color 89.8170, 0.2871, 0.3449.

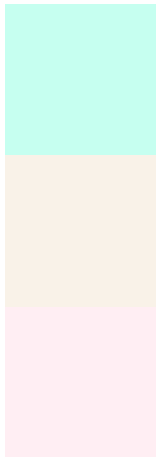


This preview shows how white text looks on a background with the Yxy color 89.8170, 0.2871, 0.3449.

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

89.8170, 0.2871, 0.3449

Protanopia

89.4702, 0.3235, 0.3389

Deuteranopia

88.8801, 0.3209, 0.3242



Tritanopia

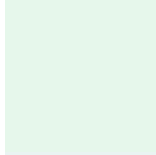
89.4624, 0.2957, 0.3199

Trichromacy



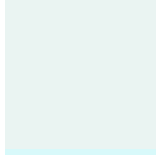
Original Color

89.8170, 0.2871, 0.3449



Protanomaly

89.3427, 0.3090, 0.3412



Deuteranomaly

88.6046, 0.3075, 0.3310



Tritanomaly

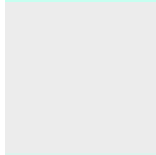
89.2524, 0.2919, 0.3279

Monochromacy



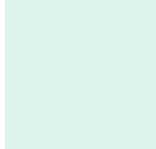
Original Color

89.8170, 0.2871, 0.3449



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 89.8170, 0.2871, 0.3449 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(198, 255, 240)` looks like.

```
.text, #text, p{  
    color:rgb(198, 255, 240)  
}
```

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(198, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 255, 240) }
```

Border

The CSS property to change the border of an element to Yxy 89.8170, 0.2871, 0.3449 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(198, 255, 240) }
```

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

```
.border{ border-color:rgb(198, 255, 240) }
```

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

Here you see how a box with a 4 pixel rgb(198, 255, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(198, 255,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 89.8170, 0.2871, 0.3449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 255, 240) }
```

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

```
.background{ background-color: rgb(198,  
255, 240) }
```

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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