

Converting Colors

$Yxy(89.8369, 0.2852, 0.3341)$

Have a look what the booklet for
Yxy(89.8369, 0.2852, 0.3341)
contains.

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Color

Yxy(89.5844, 0.2851, 0.3342)

Conversions

Conversions Part 1

Format	Color
Hex	CAFDF8
RGB	202, 253, 248
RGB Percent	79%, 99%, 97%
CMY	0.2078, 0.0078, 0.0275
CMYK	0.20, 0.00, 0.02, 0.01
HSL	174°, 93%, 89%
HSV	174°, 20%, 99%
XYZ	76.4228, 89.5844, 102.0490
YIQ	237.1810, -28.7910, -12.3670

Conversions

Conversions Part 2

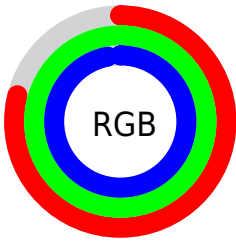
Format	Color
R _Y B	202, 229, 253
Decimal	13303288
CIE Lab	95.82, -17.06, -2.92
CIE LCh	96, 17.308, 189.729
Yxy	89.5844, 0.2851, 0.3342
Android (android.graphics.Color)	4291493368 (0xFFCAFDF8)
YUV	237.1810, 5.3338, -30.8537
Hunter-Lab	94.6490, -21.5089, 2.3288

Details

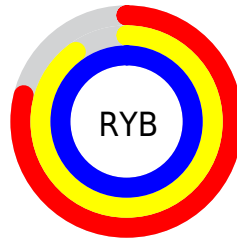
The Yxy color **89.5844, 0.2851, 0.3342** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.6341, 0.3491, 0.3239**, and the grayscale version is **84.8112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.4887, 0.2789, 0.3343** is the 20% darker color. If you saturate the color by 10%, you get **86.1894, 0.2728, 0.3371**, and if you desaturate by 10%, it is **93.5674, 0.2984, 0.3315**.

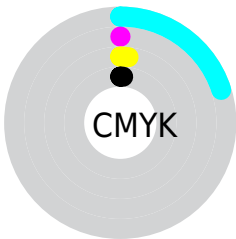
Distribution



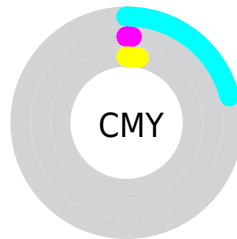
- Red (79%)
- Green (99%)
- Blue (97%)



- Red (79%)
- Yellow (90%)
- Blue (99%)



- Cyan (20%)
- Magenta (0%)
- Yellow (2%)
- Black (1%)




- Cyan (21%)
- Magenta (1%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.5844, 0.2851, 0.3342 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 89.5844, 0.2851, 0.3342 by changing the saturation by 10% instead.

 89.5844, 0.2851,
0.3342

 89.5844, 0.2851,
0.3342

526.6780, 0.2973,
0.3320

 67.6360, 0.2824,
0.3347

146.7610, 0.2893,
0.3335

 49.6017, 0.2792,
0.3352


182.7579, 0.2909,
0.3332

 35.0970, 0.2751,
0.3359


224.2065, 0.2923,
0.3329

 23.7376, 0.2700,
0.3367

271.4912, 0.2936,
0.3327

 15.1391, 0.2633,
0.3378

324.9962, 0.2947,
0.3325

 8.9171, 0.2540,
0.3392


385.1061, 0.2957,


 4.6871, 0.2406,


0.3323

0.3410


452.2053, 0.2965,
0.3321


 2.0649, 0.2193,
0.3436


 0.6448, 0.1124,
0.3689


 89.5844, 0.2851,
0.3342


 89.5844, 0.2851,
0.3342


 86.1894, 0.2728,
0.3371


 93.5674, 0.2984,
0.3315

 83.3431, 0.2618,
0.3402

 98.1537, 0.3125,
0.3290

 81.0188, 0.2524,
0.3435

 98.7351, 0.3128,
0.3271

 79.1829, 0.2449,
0.3468

■ 77.7980, 0.2392,
0.3502

■ 76.8214, 0.2355,
0.3537

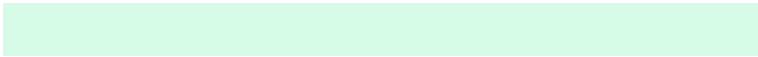
■ 76.2019, 0.2337,
0.3571

■ 75.8590, 0.2335,
0.3604

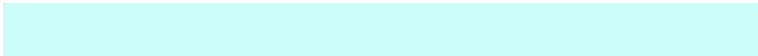
Harmonies

Analogous

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



89.5844, 0.3011, 0.3511



89.5844, 0.2851, 0.3342



89.5844, 0.2764, 0.3163

Triad

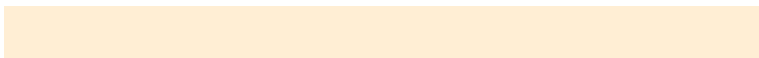
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.5844, 0.2851, 0.3342



89.5844, 0.3039, 0.2987



89.5844, 0.3495, 0.3543

Complementary

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



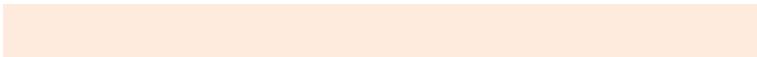
89.5844, 0.2851, 0.3342



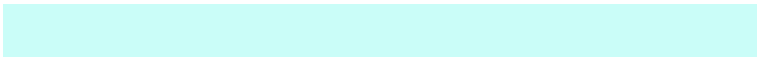
67.6341, 0.3491, 0.3239

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.



89.5844, 0.3504, 0.3397



89.5844, 0.2851, 0.3342



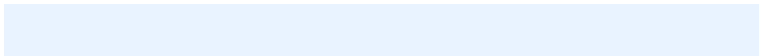
89.5844, 0.3237, 0.3083

Square

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



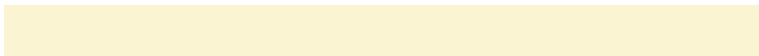
89.5844, 0.2851, 0.3342



89.5844, 0.2870, 0.2966



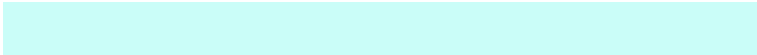
89.5844, 0.3409, 0.3231



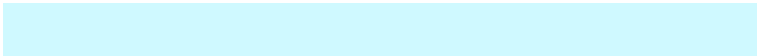
89.5844, 0.3384, 0.3626

Rectangle

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



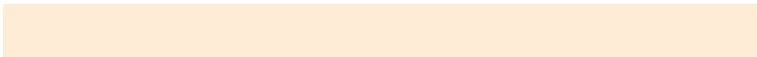
89.5844, 0.2851, 0.3342



89.5844, 0.2758, 0.3066



89.5844, 0.3409, 0.3231



89.5844, 0.3510, 0.3499

Sweetspot

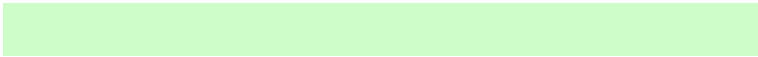
The Sweet Spot groups the original color and five complimentary colors.



89.5881, 0.2851, 0.3342



97.1160, 0.3042, 0.3305



87.8001, 0.3133, 0.3844



20.7226, 0.3033, 0.3306



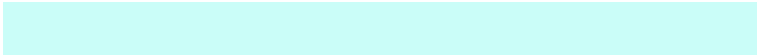
0.0000, 0.0000, 0.0000



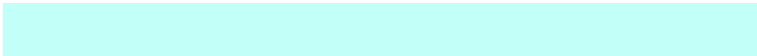
21.4041, 0.3127, 0.3290

Same Dimension

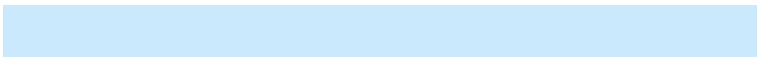
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.5881, 0.2851, 0.3342



89.8001, 0.2802, 0.3353



77.7047, 0.2811, 0.3071



20.4488, 0.2993, 0.3313



40.3640, 0.2333, 0.3599



3.9387, 0.2322, 0.3560

Inverse Universe

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



67.6341, 0.3491, 0.3239



63.9172, 0.3581, 0.3229



77.6069, 0.3490, 0.3499



18.0162, 0.3279, 0.3267



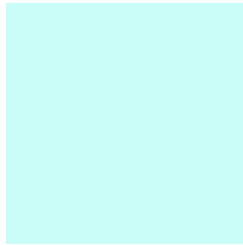
11.1554, 0.6290, 0.3239



1.0954, 0.6080, 0.3123

Previews

White Background



This preview shows how the Yxy color 89.5844, 0.2851, 0.3342 looks on a white background.

Color Contrast Check

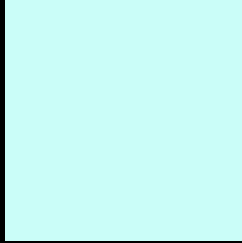
Large Text (above 18pt) WCAG AA × Fail

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 89.5844, 0.2851, 0.3342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

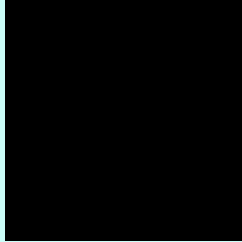
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.5844, 0.2851, 0.3342

Background



This preview shows how black text looks on a background with the Yxy color 89.5844, 0.2851, 0.3342.

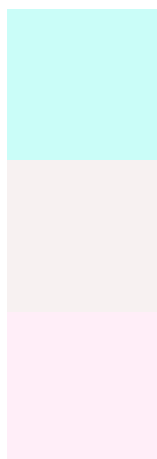


This preview shows how white text looks on a background with the Yxy color 89.5844, 0.2851, 0.3342.

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

89.5844, 0.2851, 0.3342

Protanopia

89.0356, 0.3167, 0.3290

Deuteranopia

89.1864, 0.3178, 0.3193



Tritanopia

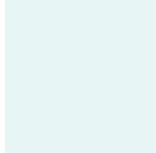
89.4624, 0.2957, 0.3199

Trichromacy



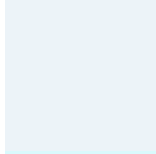
Original Color

89.5844, 0.2851, 0.3342



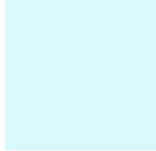
Protanomaly

88.8254, 0.3044, 0.3300



Deuteranomaly

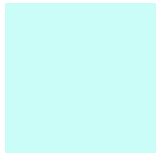
88.7114, 0.3053, 0.3240



Tritanomaly

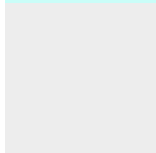
89.6851, 0.2920, 0.3259

Monochromacy



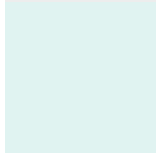
Original Color

89.5844, 0.2851, 0.3342



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.2994, 0.3018, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.5844, 0.2851, 0.3342 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(202, 253, 248)` looks like.

```
.text, #text, p{  
    color:rgb(202, 253, 248)  
}
```

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(202, 253, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 253, 248) }
```

Border

The CSS property to change the border of an element to Yxy 89.5844, 0.2851, 0.3342 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(202, 253, 248) }
```

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

```
.border{ border-color:rgb(202, 253, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 253, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(202, 253, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(202, 253, 248); box-shadow:4px 4px 4px 4px rgb(202, 253, 248) }
```


Background

The CSS property to change the background color of an element to Yxy 89.5844, 0.2851, 0.3342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 253, 248) }
```

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

```
.background{ background-color: rgb(202,  
253, 248) }
```

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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