

Converting Colors

$Yxy(87.1598, 0.2897, 0.3407)$

Have a look what the booklet for
Yxy(87.1598, 0.2897, 0.3407)
contains.

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Color

Yxy(87.1598, 0.2897, 0.3407)

Conversions

Conversions Part 1

Format	Color
Hex	CAFAEF
RGB	202, 250, 239
RGB Percent	79%, 98%, 94%
CMY	0.2080, 0.0195, 0.0629
CMYK	0.19, 0.00, 0.04, 0.02
HSL	166°, 83%, 89%
HSV	166°, 19%, 98%
XYZ	74.1127, 87.1598, 94.5532
YIQ	234.3940, -25.0770, -13.5970

Conversions

Conversions Part 2

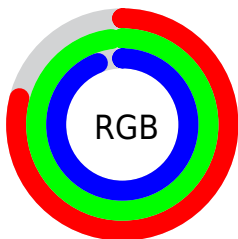
Format	Color
RYP	202, 229, 250
Decimal	13302511
CIELab	94.81, -17.40, 0.23
CIElCh	95, 17.405, 179.228
Yxy	87.1598, 0.2897, 0.3407
Android (android.graphics.Color)	4291492591 (0xFFCAFAEF)
YUV	234.3940, 2.2708, -28.4095
Hunter-Lab	93.3594, -21.6780, 5.3035

Details

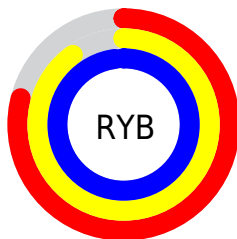
The Yxy color **87.1598, 0.2897, 0.3407** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.3596, 0.3422, 0.3176**, and the grayscale version is **82.5871, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.7619, 0.2846, 0.3428** is the 20% darker color. If you saturate the color by 10%, you get **83.6201, 0.2788, 0.3476**, and if you desaturate by 10%, it is **91.2825, 0.3014, 0.3343**.

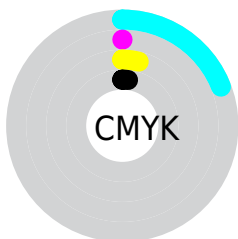
Distribution



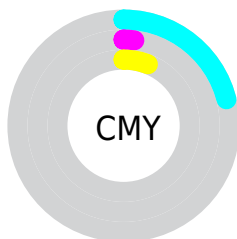
- Red (79%)
- Green (98%)
- Blue (94%)



- Red (79%)
- Yellow (90%)
- Blue (98%)



- Cyan (19%)
- Magenta (0%)
- Yellow (4%)
- Black (2%)





- Cyan (21%)
- Magenta (2%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.1598, 0.2897, 0.3407 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 87.1598, 0.2897, 0.3407 by changing the saturation by 10% instead.


 87.1598, 0.2897,
0.3407

 87.1598, 0.2897,
0.3407


518.7478, 0.3000,
0.3355

 65.6275, 0.2874,
0.3419


143.3869, 0.2932,
0.3389

 47.9700, 0.2847,
0.3433


178.8504, 0.2946,
0.3382

 33.8032, 0.2812,
0.3450


219.7264, 0.2958,
0.3376

 22.7424, 0.2768,
0.3473

266.3993, 0.2968,
0.3371

 14.4034, 0.2709,
0.3503

319.2535, 0.2978,
0.3366

 8.4018, 0.2628,
0.3544

378.6734, 0.2986,

 4.3531, 0.2507,

0.3362

0.3606

445.0434, 0.2993,
0.3358

■ 1.8730, 0.2311,
0.3706

■ 0.5321, 0.0688,
0.4525

■ 87.1598, 0.2897,
0.3407

■ 87.1598, 0.2897,
0.3407

■ 83.6201, 0.2788,
0.3476

■ 91.2825, 0.3014,
0.3343

■ 80.6252, 0.2689,
0.3551

■ 96.0028, 0.3137,
0.3286

■ 78.1493, 0.2605,
0.3630

■ 96.8606, 0.3129,
0.3243

■ 76.1600, 0.2538,
0.3713

■ 74.6214, 0.2489,
0.3798

■ 73.4923, 0.2461,
0.3884

■ 72.7241, 0.2452,
0.3970

■ 72.2427, 0.2461,
0.4055

■ 72.2100, 0.2462,
0.4062

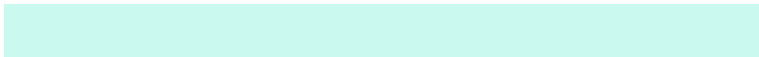
Harmonies

Analogous

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



87.1598, 0.3077, 0.3562



87.1598, 0.2897, 0.3407



87.1598, 0.2780, 0.3222

Triad

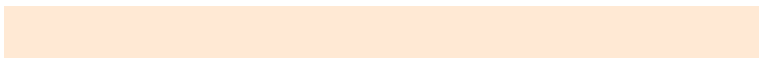
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1598, 0.2897, 0.3407



87.1598, 0.2972, 0.2966



87.1598, 0.3516, 0.3500

Complementary

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



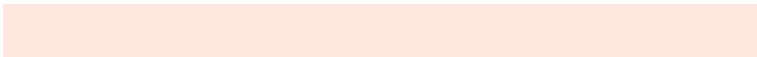
87.1598, 0.2897, 0.3407



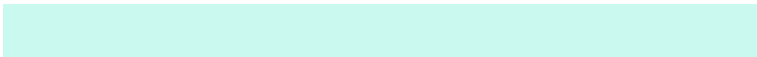
67.3596, 0.3422, 0.3176

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.



87.1598, 0.3487, 0.3340



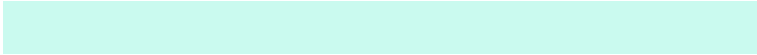
87.1598, 0.2897, 0.3407



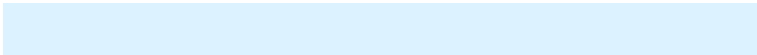
87.1598, 0.3168, 0.3039

Square

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



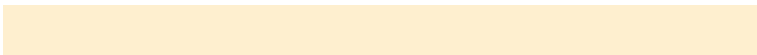
87.1598, 0.2897, 0.3407



87.1598, 0.2822, 0.2973



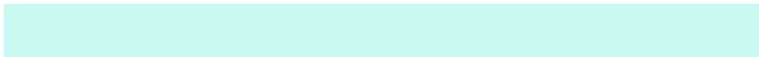
87.1598, 0.3358, 0.3174



87.1598, 0.3437, 0.3611

Rectangle

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



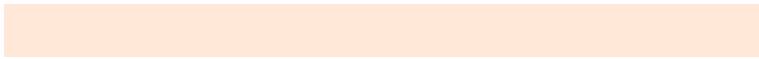
87.1598, 0.2897, 0.3407



87.1598, 0.2751, 0.3111



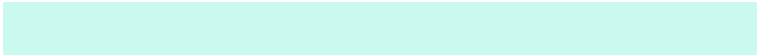
87.1598, 0.3358, 0.3174



87.1598, 0.3519, 0.3450

Sweetspot

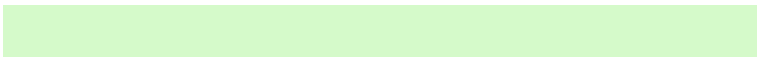
The Sweet Spot groups the original color and five complimentary colors.



87.1634, 0.2897, 0.3407



96.9883, 0.3053, 0.3324



86.8169, 0.3173, 0.3808



20.6923, 0.3045, 0.3328



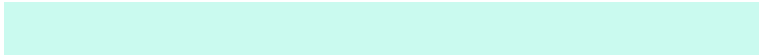
0.0000, 0.0000, 0.0000



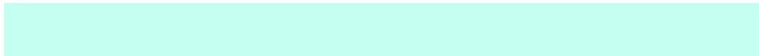
21.4041, 0.3127, 0.3290

Same Dimension

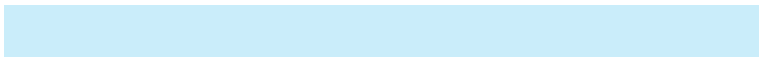
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1634, 0.2897, 0.3407



89.6844, 0.2854, 0.3433



80.1420, 0.2830, 0.3152



19.5363, 0.3011, 0.3345



38.3203, 0.2458, 0.4048



3.5652, 0.2429, 0.3946

Inverse Universe

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



67.3596, 0.3422, 0.3176



65.5429, 0.3495, 0.3153



73.0803, 0.3482, 0.3424



17.2906, 0.3258, 0.3236



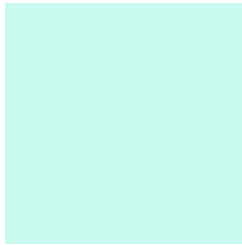
10.9578, 0.5994, 0.3076



1.0304, 0.5668, 0.2896

Previews

White Background



This preview shows how the Yxy color 87.1598, 0.2897, 0.3407 looks on a white background.

Color Contrast Check

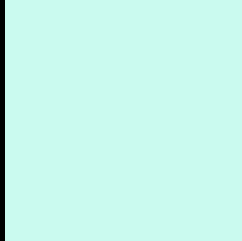
Large Text (above 18pt) WCAG AA × Fail

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 87.1598, 0.2897, 0.3407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

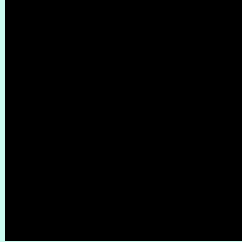
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

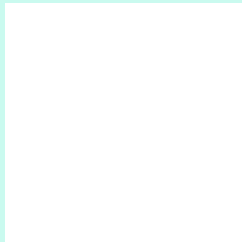
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.1598, 0.2897, 0.3407

Background



This preview shows how black text looks on a background with the Yxy color 87.1598, 0.2897, 0.3407.

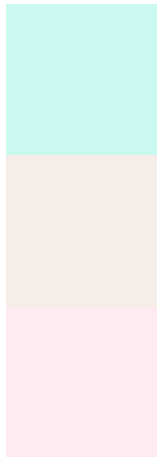


This preview shows how white text looks on a background with the Yxy color 87.1598, 0.2897, 0.3407.

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

87.1598, 0.2897, 0.3407

Protanopia

86.3877, 0.3211, 0.3350

Deuteranopia

86.5164, 0.3219, 0.3212



Tritanopia

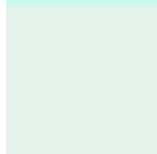
86.6933, 0.2920, 0.3167

Trichromacy



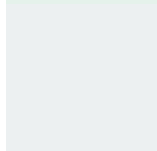
Original Color

87.1598, 0.2897, 0.3407



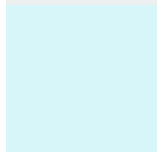
Protanomaly

86.1604, 0.3085, 0.3362



Deuteranomaly

86.5039, 0.3095, 0.3280



Tritanomaly

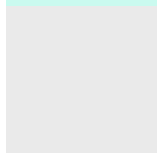
87.0472, 0.2912, 0.3258

Monochromacy



Original Color

87.1598, 0.2897, 0.3407



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

83.9059, 0.3034, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1598, 0.2897, 0.3407 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, 250, 239)` looks like.

```
.text, #text, p{  
    color:rgb(202, 250, 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(202, 250, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 250, 239) }
```

Border

The CSS property to change the border of an element to Yxy 87.1598, 0.2897, 0.3407 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, 250, 239) }
```

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

```
.border{ border-color:rgb(202, 250, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 250, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 250, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 250, 239);  
box-shadow:4px 4px 4px 4px rgb(202, 250,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1598, 0.2897, 0.3407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 250, 239) }
```

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

```
.background{ background-color: rgb(202,  
250, 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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