

Converting Colors

$Yxy(87.4083, 0.2930, 0.3413)$

Have a look what the booklet for
Yxy(87.4083, 0.2930, 0.3413)
contains.

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Color

Yxy(87.1898, 0.2931, 0.3406)

Conversions

Conversions Part 1

Format	Color
Hex	CFF9EE
RGB	207, 249, 238
RGB Percent	81%, 98%, 93%
CMY	0.1884, 0.0235, 0.0666
CMYK	0.17, 0.00, 0.04, 0.02
HSL	164°, 78%, 89%
HSV	164°, 17%, 98%
XYZ	75.0303, 87.1898, 93.7687
YIQ	235.1880, -21.5010, -12.3250

Conversions

Conversions Part 2

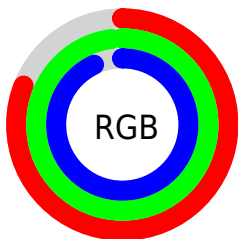
Format	Color
R_{YB}	207, 231, 249
Decimal	13629934
CIE Lab	94.82, -15.57, 0.79
CIE LCh	95, 15.587, 177.111
Yxy	87.1898, 0.2931, 0.3406
Android (android.graphics.Color)	4291820014 (0xFFCFF9EE)
YUV	235.1880, 1.3863, -24.7209
Hunter-Lab	93.3755, -19.9763, 5.8231

Details

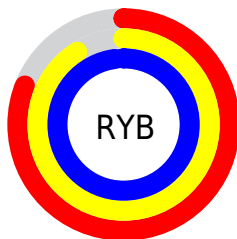
The Yxy color **87.1898, 0.2931, 0.3406** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.8039, 0.3369, 0.3177**, and the grayscale version is **83.2258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.1927, 0.2889, 0.3440** is the 20% darker color. If you saturate the color by 10%, you get **83.5100, 0.2823, 0.3484**, and if you desaturate by 10%, it is **91.4563, 0.3046, 0.3335**.

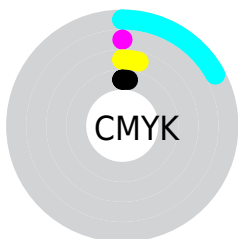
Distribution



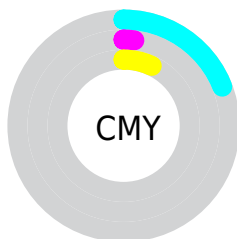
- Red (81%)
- Green (98%)
- Blue (93%)



- Red (81%)
- Yellow (91%)
- Blue (98%)



- Cyan (17%)
- Magenta (0%)
- Yellow (4%)
- Black (2%)





- Cyan (19%)
- Magenta (2%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.1898, 0.2931, 0.3406 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 87.1898, 0.2931, 0.3406 by changing the saturation by 10% instead.

 87.1898, 0.2931,
0.3406

 87.1898, 0.2931,
0.3406


518.8463, 0.3019,
0.3354

 65.6523, 0.2912,
0.3418

143.4287, 0.2961,
0.3388

 47.9902, 0.2888,
0.3432


178.8988, 0.2973,
0.3381

 33.8191, 0.2858,
0.3449


219.7819, 0.2983,
0.3375

 22.7547, 0.2820,
0.3472

266.4624, 0.2992,
0.3370

 14.4125, 0.2770,
0.3502

319.3248, 0.3000,
0.3365

 8.4081, 0.2700,
0.3544


378.7532, 0.3007,


 4.3572, 0.2596,


0.3361


0.3607


445.1323, 0.3013,
0.3357


 1.8753, 0.2426,
0.3710


 0.5335, 0.1071,
0.4496


 87.1898, 0.2931,
0.3406

 87.1898, 0.2931,
0.3406


 83.5100, 0.2823,
0.3484


 91.4563, 0.3046,
0.3335

 80.3795, 0.2726,
0.3568

 95.9894, 0.3153,
0.3271

 77.7730, 0.2641,
0.3658

 96.2417, 0.3130,
0.3233

 75.6594, 0.2572,
0.3752

■ 74.0038, 0.2521,
0.3850

■ 72.7668, 0.2491,
0.3949

■ 71.9023, 0.2480,
0.4048

■ 71.3516, 0.2489,
0.4146

■ 71.2162, 0.2494,
0.4177

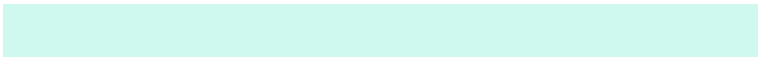
Harmonies

Analogous

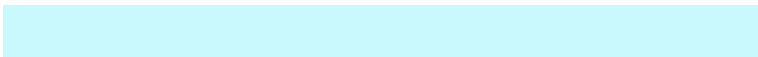
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1898, 0.3096, 0.3540



87.1898, 0.2931, 0.3406



87.1898, 0.2820, 0.3242

Triad

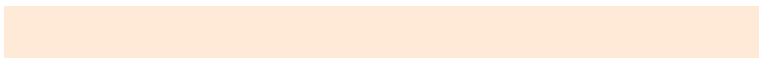
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1898, 0.2931, 0.3406



87.1898, 0.2977, 0.2997



87.1898, 0.3476, 0.3470

Complementary

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



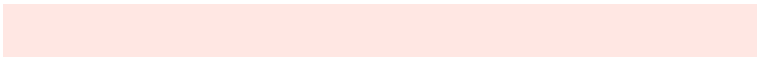
87.1898, 0.2931, 0.3406



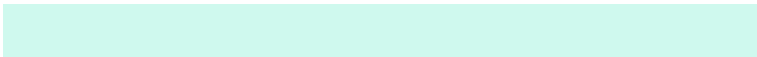
69.8039, 0.3369, 0.3177

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.



87.1898, 0.3444, 0.3325



87.1898, 0.2931, 0.3406



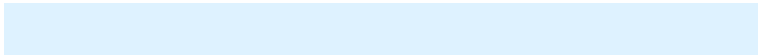
87.1898, 0.3151, 0.3057

Square

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



87.1898, 0.2931, 0.3406



87.1898, 0.2846, 0.3009



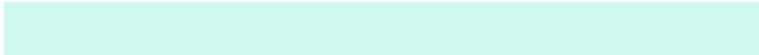
87.1898, 0.3323, 0.3176



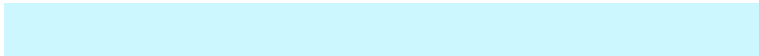
87.1898, 0.3413, 0.3573

Rectangle

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



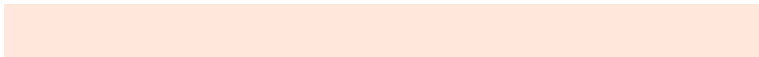
87.1898, 0.2931, 0.3406



87.1898, 0.2790, 0.3140



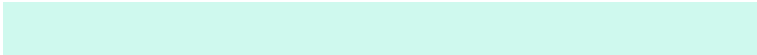
87.1898, 0.3323, 0.3176



87.1898, 0.3476, 0.3424

Sweetspot

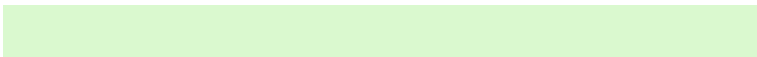
The Sweet Spot groups the original color and five complimentary colors.



87.1934, 0.2931, 0.3406



97.4485, 0.3068, 0.3322



87.1956, 0.3177, 0.3739



20.7840, 0.3059, 0.3327



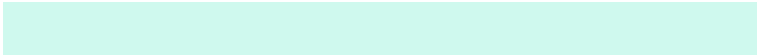
0.0000, 0.0000, 0.0000



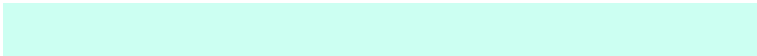
21.4041, 0.3127, 0.3290

Same Dimension

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



87.1934, 0.2931, 0.3406



90.7474, 0.2896, 0.3430



81.9496, 0.2867, 0.3185



19.5265, 0.3015, 0.3353



38.1397, 0.2489, 0.4161



3.5498, 0.2457, 0.4043

Inverse Universe

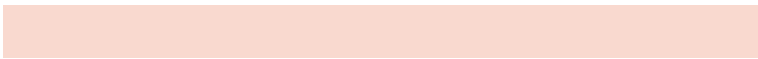
The Inverse Universe completely reimagines the original color for something new.



69.8039, 0.3369, 0.3177



69.4735, 0.3424, 0.3155



74.1502, 0.3435, 0.3392



17.2998, 0.3253, 0.3228



11.0055, 0.5896, 0.3022



1.0359, 0.5563, 0.2838

Previews

White Background



This preview shows how the Yxy color 87.1898, 0.2931, 0.3406 looks on a white background.

Color Contrast Check

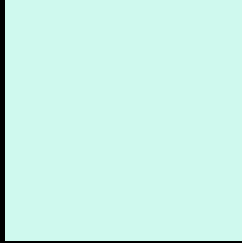
Large Text (above 18pt) WCAG AA × Fail

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 87.1898, 0.2931, 0.3406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

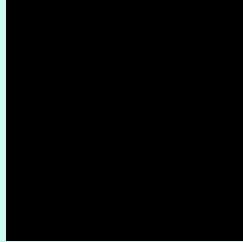
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

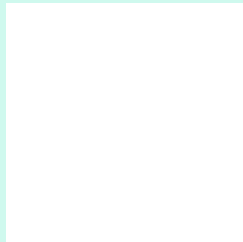
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.1898, 0.2931, 0.3406

Background



This preview shows how black text looks on a background with the Yxy color 87.1898, 0.2931, 0.3406.

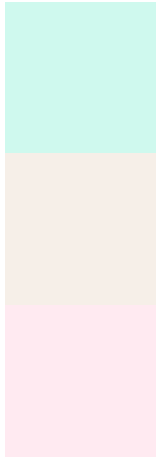


This preview shows how white text looks on a background with the Yxy color 87.1898, 0.2931, 0.3406.

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

87.1898, 0.2931, 0.3406

Protanopia

87.1520, 0.3217, 0.3360

Deuteranopia

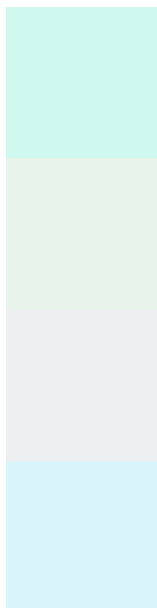
86.4565, 0.3225, 0.3222



Tritanopia

87.0092, 0.2932, 0.3167

Trichromacy



Original Color

87.1898, 0.2931, 0.3406

Protanomaly

87.1975, 0.3110, 0.3382

Deuteranomaly

86.2014, 0.3114, 0.3280

Tritanomaly

86.8961, 0.2929, 0.3248

Monochromacy



Original Color

87.1898, 0.2931, 0.3406

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

84.3839, 0.3054, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1898, 0.2931, 0.3406 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(207, 249, 238)` looks like.

```
.text, #text, p{  
    color:rgb(207, 249, 238)  
}
```

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(207, 249, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 249, 238) }
```

Border

The CSS property to change the border of an element to Yxy 87.1898, 0.2931, 0.3406 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(207, 249, 238) }
```

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

```
.border{ border-color:rgb(207, 249, 238) }
```

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

Here you see how a box with a 4 pixel rgb(207, 249, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 249, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 249, 238);  
box-shadow:4px 4px 4px 4px rgb(207, 249,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1898, 0.2931, 0.3406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 249, 238) }
```

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

```
.background{ background-color: rgb(207,  
249, 238) }
```

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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