

Converting Colors

$Y_{xy}(87.6375, 0.2390, 0.2305)$

Have a look what the booklet for
Yxy(87.6375, 0.2390, 0.2305)
contains.

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Color

Yxy(80.3449, 0.2803, 0.3098)

Conversions

Conversions Part 1

Format	Color
Hex	CAEDFF
RGB	202, 237, 255
RGB Percent	79%, 93%, 100%
CMY	0.2078, 0.0706, 0.0000
CMYK	0.21, 0.07, 0.00, 0.00
HSL	200°, 100%, 90%
HSV	200°, 21%, 100%
XYZ	72.6942, 80.3449, 106.3053
YIQ	228.5870, -26.6380, -1.8220

Conversions

Conversions Part 2

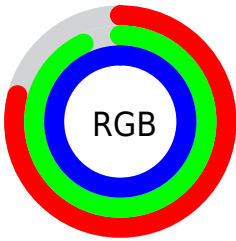
Format	Color
R _Y B	202, 223, 255
Decimal	13299199
CIE Lab	91.84, -7.57, -12.48
CIE LCh	92, 14.596, 238.754
Yxy	80.3449, 0.2803, 0.3098
Android (android.graphics.Color)	4291489279 (0xFFCAEDFF)
YUV	228.5870, 13.0216, -23.3168
Hunter-Lab	89.6353, -12.0983, -7.5718

Details

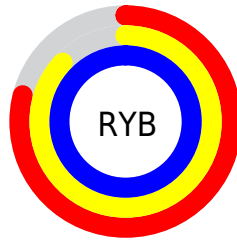
The Yxy color **80.3449, 0.2803, 0.3098** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.7104, 0.3510, 0.3474**, and the grayscale version is **77.9534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.3280, 0.2732, 0.3055** is the 20% darker color. If you saturate the color by 10%, you get **72.1843, 0.2649, 0.2992**, and if you desaturate by 10%, it is **89.3386, 0.2960, 0.3196**.

Distribution



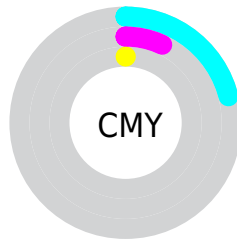
- Red (79%)
- Green (93%)
- Blue (100%)



- Red (79%)
- Yellow (87%)
- Blue (100%)



- Cyan (21%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.3449, 0.2803, 0.3098 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 80.3449, 0.2803, 0.3098 by changing the saturation by 10% instead.

80.3449, 0.2803,
0.3098

80.3449, 0.2803,
0.3098

496.0944, 0.2949,
0.3187

60.0022, 0.2771,
0.3078

133.8505, 0.2853,
0.3129

43.4204, 0.2731,
0.3053

167.7823, 0.2872,
0.3141

30.2151, 0.2682,
0.3022

207.0125, 0.2889,
0.3151

20.0019, 0.2619,
0.2981

251.9256, 0.2904,
0.3160

12.3964, 0.2536,
0.2926

302.9059, 0.2917,
0.3168

7.0143, 0.2420,
0.2848

360.3379, 0.2929,

3.4710, 0.2249,

0.3175

0.2729

424.6059, 0.2939,
0.3181

1.3823, 0.1974,
0.2525

0.2036, 0.0066,
0.1552

80.3449, 0.2803,
0.3098

80.3449, 0.2803,
0.3098

72.1843, 0.2649,
0.2992

89.3386, 0.2960,
0.3196

64.8197, 0.2500,
0.2877

99.1907, 0.3115,
0.3284

58.2181, 0.2361,
0.2755

100.0000, 0.3127,
0.3290

52.3416, 0.2234,
0.2627

■ 47.1480, 0.2125,
0.2496

■ 42.5898, 0.2036,
0.2364

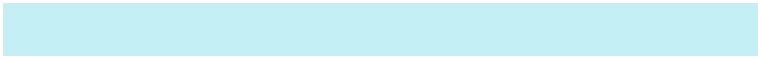
■ 38.6102, 0.1967,
0.2233

■ 35.3749, 0.1921,
0.2115

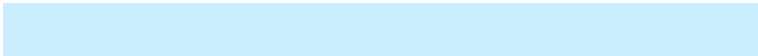
Harmonies

Analogous

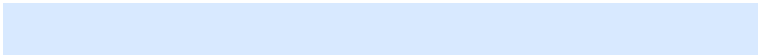
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.3449, 0.2828, 0.3235



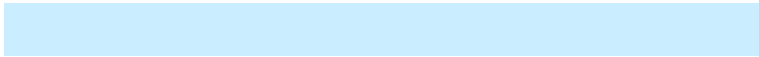
80.3449, 0.2803, 0.3098



80.3449, 0.2862, 0.3017

Triad

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



80.3449, 0.2803, 0.3098



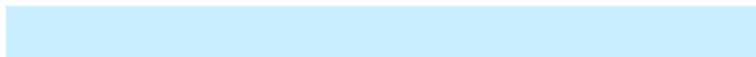
80.3449, 0.3324, 0.3188



80.3449, 0.3258, 0.3588

Complementary

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



80.3449, 0.2803, 0.3098



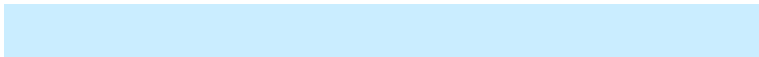
76.7104, 0.3510, 0.3474

Split Complementary

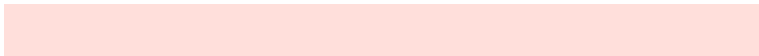
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.3449, 0.3396, 0.3566



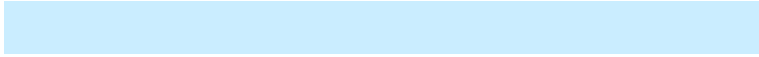
80.3449, 0.2803, 0.3098



80.3449, 0.3436, 0.3332

Square

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



80.3449, 0.2803, 0.3098



80.3449, 0.3160, 0.3071



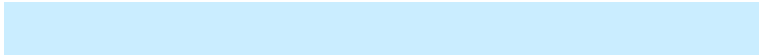
80.3449, 0.3462, 0.3470



80.3449, 0.3087, 0.3525

Rectangle

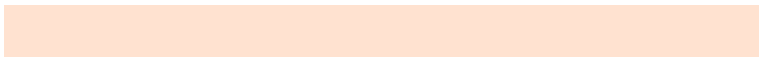
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



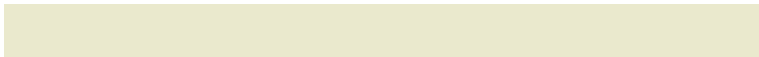
80.3449, 0.2803, 0.3098



80.3449, 0.2942, 0.3003



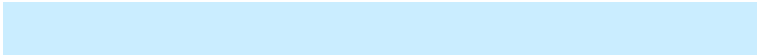
80.3449, 0.3462, 0.3470



80.3449, 0.3310, 0.3590

Sweetspot

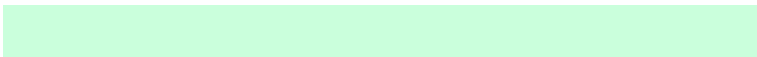
The Sweet Spot groups the original color and five complimentary colors.



80.3465, 0.2803, 0.3098



93.9424, 0.3034, 0.3239



89.2265, 0.3003, 0.3671



19.9705, 0.3024, 0.3233



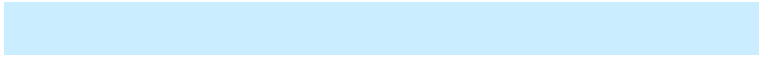
0.0000, 0.0000, 0.0000



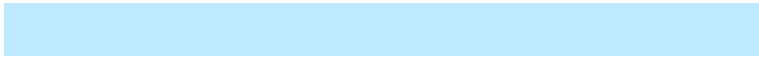
21.4041, 0.3127, 0.3290

Same Dimension

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



80.3465, 0.2803, 0.3098



76.8057, 0.2738, 0.3055



66.2832, 0.2784, 0.2810



19.3815, 0.2980, 0.3207



18.7720, 0.1927, 0.2136



2.0304, 0.1968, 0.2283

Inverse Universe

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



69.6164, 0.3280, 0.2941



64.5340, 0.3318, 0.2867



91.5375, 0.3458, 0.3728



18.1894, 0.3190, 0.3134



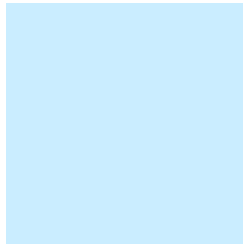
12.6230, 0.4301, 0.2143



1.2495, 0.4144, 0.2057

Previews

White Background



This preview shows how the Yxy color 80.3449, 0.2803, 0.3098 looks on a white background.

Color Contrast Check

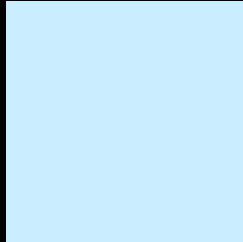
Large Text (above 18pt) WCAG AA × Fail

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 80.3449, 0.2803, 0.3098 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

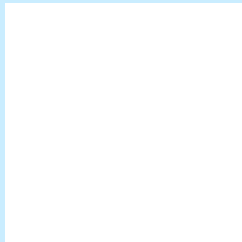
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.3449, 0.2803, 0.3098

Background



This preview shows how black text looks on a background with the Yxy color 80.3449, 0.2803, 0.3098.

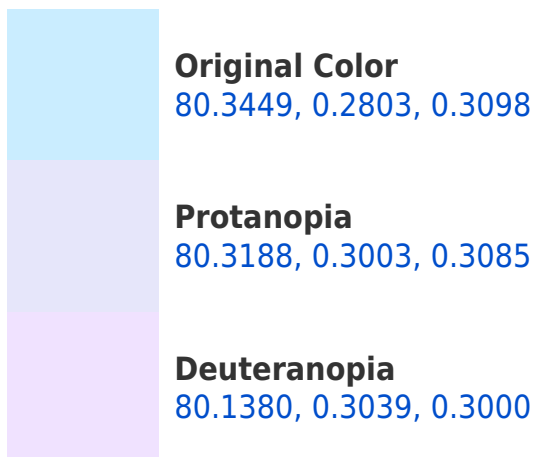


This preview shows how white text looks on a background with the Yxy color 80.3449, 0.2803, 0.3098.

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

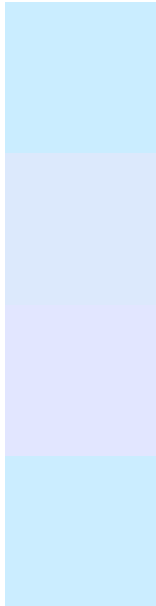




Tritanopia

80.4849, 0.2809, 0.3099

Trichromacy



Original Color

80.3449, 0.2803, 0.3098

Protanomaly

80.5217, 0.2928, 0.3093

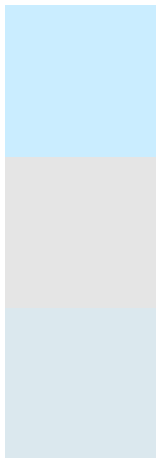
Deuteranomaly

79.9824, 0.2948, 0.3034

Tritanomaly

80.4849, 0.2809, 0.3099

Monochromacy



Original Color

80.3449, 0.2803, 0.3098

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.9463, 0.3004, 0.3226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3449, 0.2803, 0.3098 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, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 237, 255)  
}
```

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, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 237, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.3449, 0.2803, 0.3098 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, 237, 255) }
```

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

```
.border{ border-color:rgb(202, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 237,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3449, 0.2803, 0.3098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 237, 255) }
```

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

```
.background{ background-color: rgb(202,  
237, 255) }
```

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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