

Converting Colors

$Yxy(81.2644, 0.2773, 0.3047)$

Have a look what the booklet for
Yxy(81.2644, 0.2773, 0.3047)
contains.

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Color

Yxy(80.9256, 0.2804, 0.3109)

Conversions

Conversions Part 1

Format	Color
Hex	CAEEFF
RGB	202, 238, 255
RGB Percent	79%, 93%, 100%
CMY	0.2077, 0.0667, 0.0000
CMYK	0.21, 0.07, 0.00, 0.00
HSL	199°, 100%, 90%
HSV	199°, 21%, 100%
XYZ	72.9866, 80.9256, 106.3824
YIQ	229.1740, -26.9130, -2.3450

Conversions

Conversions Part 2

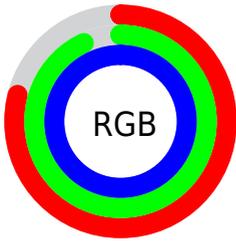
Format	Color
R _Y B	202, 223, 255
Decimal	13299455
CIE Lab	92.10, -8.08, -12.08
CIE LCh	92, 14.531, 236.235
Yxy	80.9256, 0.2804, 0.3109
Android (android.graphics.Color)	4291489535 (0xFFCAEEFF)
YUV	229.1740, 12.7322, -23.8316
Hunter-Lab	89.9587, -12.6043, -7.1435

Details

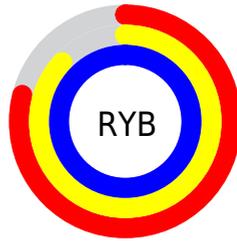
The Yxy color **80.9256, 0.2804, 0.3109** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.2030, 0.3511, 0.3464**, and the grayscale version is **78.4136, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.7362, 0.2733, 0.3069** is the 20% darker color. If you saturate the color by 10%, you get **73.0024, 0.2651, 0.3009**, and if you desaturate by 10%, it is **89.6594, 0.2960, 0.3201**.

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 80.9256, 0.2804, 0.3109 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 80.9256, 0.2804, 0.3109 by changing the saturation by 10% instead.

80.9256, 0.2804,
0.3109

80.9256, 0.2804,
0.3109

498.0467, 0.2949,
0.3193

60.4803, 0.2772,
0.3090

134.6663, 0.2854,
0.3138

43.8059, 0.2733,
0.3067

168.7305, 0.2873,
0.3149

30.5179, 0.2684,
0.3037

208.1032, 0.2890,
0.3159

20.2321, 0.2621,
0.2999

253.1686, 0.2905,
0.3167

12.5638, 0.2538,
0.2947

304.3113, 0.2918,
0.3175

7.1289, 0.2424,
0.2873

361.9156, 0.2929,

3.5428, 0.2255,

0.3181

0.2760

426.3660, 0.2940,
0.3187

■ 1.4213, 0.1983,
0.2567

■ 0.2323, 0.0174,
0.1709

■ 80.9256, 0.2804,
0.3109

■ 80.9256, 0.2804,
0.3109

■ 73.0024, 0.2651,
0.3009

■ 89.6594, 0.2960,
0.3201

■ 65.8487, 0.2504,
0.2901

■ 99.2242, 0.3115,
0.3284

■ 59.4336, 0.2367,
0.2786

■ 100.0000, 0.3127,
0.3290

■ 53.7196, 0.2243,
0.2666

■ 48.6655, 0.2137,
0.2542

■ 44.2240, 0.2050,
0.2418

■ 40.3391, 0.1984,
0.2295

■ 37.1691, 0.1940,
0.2183

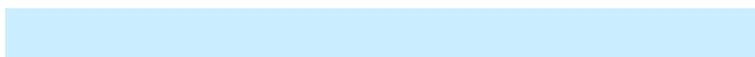
Harmonies

Analogous

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



80.9256, 0.2836, 0.3249



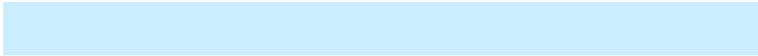
80.9256, 0.2804, 0.3109



80.9256, 0.2856, 0.3023

Triad

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



80.9256, 0.2804, 0.3109



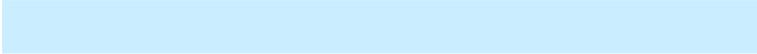
80.9256, 0.3310, 0.3177



80.9256, 0.3270, 0.3587

Complementary

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



80.9256, 0.2804, 0.3109



76.2030, 0.3511, 0.3464

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.



80.9256, 0.3403, 0.3558



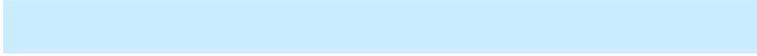
80.9256, 0.2804, 0.3109



80.9256, 0.3427, 0.3319

Square

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



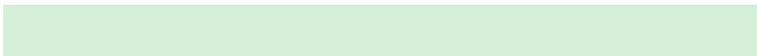
80.9256, 0.2804, 0.3109



80.9256, 0.3145, 0.3065



80.9256, 0.3461, 0.3459



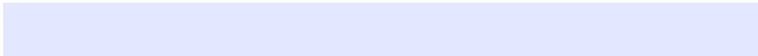
80.9256, 0.3102, 0.3531

Rectangle

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



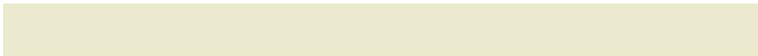
80.9256, 0.2804, 0.3109



80.9256, 0.2932, 0.3005



80.9256, 0.3461, 0.3459



80.9256, 0.3321, 0.3587

Sweetspot

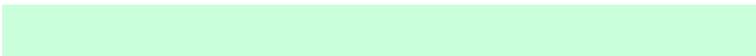
The Sweet Spot groups the original color and five complimentary colors.



80.9287, 0.2804, 0.3109



94.1198, 0.3034, 0.3242



89.1843, 0.3008, 0.3680



20.0125, 0.3024, 0.3236



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.



80.9287, 0.2804, 0.3109



77.4826, 0.2739, 0.3068



66.7365, 0.2784, 0.2820



19.4407, 0.2980, 0.3212



19.7036, 0.1946, 0.2203



2.1163, 0.1984, 0.2342

Inverse Universe

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



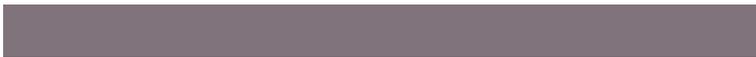
69.6865, 0.3273, 0.2931



64.6024, 0.3309, 0.2856



91.0049, 0.3460, 0.3720



18.1953, 0.3187, 0.3130



12.7171, 0.4229, 0.2103



1.2582, 0.4083, 0.2023

Previews

White Background



This preview shows how the Yxy color 80.9256, 0.2804, 0.3109 looks on a white background.

Color Contrast Check

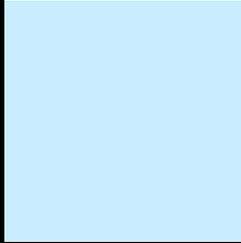
Large Text (above 18pt) WCAG AA × Fail

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 80.9256, 0.2804, 0.3109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

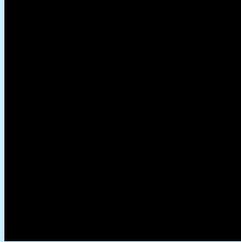
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.9256, 0.2804, 0.3109

Background



This preview shows how black text looks on a background with the Yxy color 80.9256, 0.2804, 0.3109.



This preview shows how white text looks on a background with the Yxy color 80.9256, 0.2804, 0.3109.

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

80.9256, 0.2804, 0.3109

Protanopia

80.4847, 0.3010, 0.3086

Deuteranopia

80.3135, 0.3046, 0.3001



Tritanopia

80.7675, 0.2821, 0.3099

Trichromacy



Original Color

80.9256, 0.2804, 0.3109

Protanomaly

80.5217, 0.2928, 0.3093

Deuteranomaly

80.1445, 0.2954, 0.3034

Tritanomaly

80.6257, 0.2815, 0.3099

Monochromacy



Original Color

80.9256, 0.2804, 0.3109

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 80.9256, 0.2804, 0.3109 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, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 238, 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, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.9256, 0.2804, 0.3109 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, 238, 255) }
```

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

```
.border{ border-color:rgb(202, 238, 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, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 238,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 80.9256, 0.2804, 0.3109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 238, 255) }
```

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

```
.background{ background-color: rgb(202,  
238, 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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