

Converting Colors

$Yxy(80.0667, 0.2614, 0.2692)$

Have a look what the booklet for
Yxy(80.0667, 0.2614, 0.2692)
contains.

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Color

Yxy(77.4898, 0.2799, 0.3044)

Conversions

Conversions Part 1

Format	Color
Hex	CAE8FF
RGB	202, 232, 255
RGB Percent	79%, 91%, 100%
CMY	0.2081, 0.0901, 0.0000
CMYK	0.21, 0.09, 0.00, 0.00
HSL	206°, 100%, 90%
HSV	206°, 21%, 100%
XYZ	71.2529, 77.4898, 105.8230
YIQ	225.6520, -25.2630, 0.7930

Conversions

Conversions Part 2

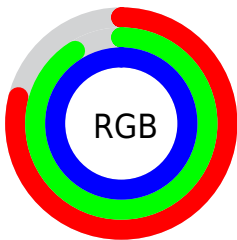
Format	Color
R _Y B	202, 221, 255
Decimal	13297919
CIE _{Lab}	90.55, -5.04, -14.41
CIE _{LCh}	91, 15.264, 250.716
Y _{xy}	77.4898, 0.2799, 0.3044
Android (android.graphics.Color)	4291487999 (0xFFCAE8FF)
YUV	225.6520, 14.4686, -20.7428
Hunter-Lab	88.0283, -9.5658, -9.6555

Details

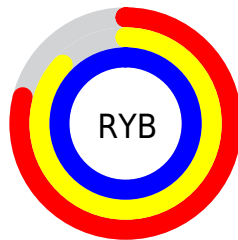
The Yxy color **77.4898, 0.2799, 0.3044** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.3284, 0.3500, 0.3524**, and the grayscale version is **75.6900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.3309, 0.2726, 0.2984** is the 20% darker color. If you saturate the color by 10%, you get **68.2008, 0.2639, 0.2907**, and if you desaturate by 10%, it is **87.7612, 0.2959, 0.3169**.

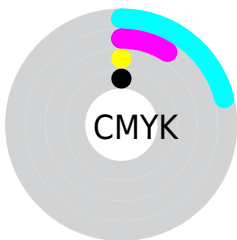
Distribution



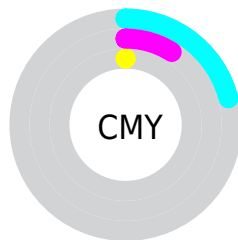
- Red (79%)
- Green (91%)
- Blue (100%)



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



- Cyan (21%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.4898, 0.2799, 0.3044 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 77.4898, 0.2799, 0.3044 by changing the saturation by 10% instead.

■ 77.4898, 0.2799,
0.3044

■ 77.4898, 0.2799,
0.3044

486.4324, 0.2948,
0.3157

■ 57.6550, 0.2766,
0.3018

129.8307, 0.2850,
0.3083

■ 41.5313, 0.2725,
0.2987

163.1055, 0.2870,
0.3098

■ 28.7345, 0.2675,
0.2947

201.6290, 0.2887,
0.3112

■ 18.8801, 0.2609,
0.2895

245.7858, 0.2902,
0.3123

■ 11.5836, 0.2522,
0.2826

295.9601, 0.2916,
0.3133

■ 6.4608, 0.2401,
0.2727

352.5364, 0.2928,

■ 3.1273, 0.2221,

0.3142

0.2576

415.8990, 0.2938,
0.3150

■ 1.1985, 0.1929,
0.2323

■ 0.0605, 0.0000,
0.0532

■ 77.4898, 0.2799,
0.3044

■ 77.4898, 0.2799,
0.3044

■ 68.2008, 0.2639,
0.2907

■ 87.7612, 0.2959,
0.3169

■ 59.8523, 0.2481,
0.2758

■ 99.0428, 0.3115,
0.3281

■ 52.4076, 0.2330,
0.2599

■ 100.0000, 0.3127,
0.3290

■ 45.8248, 0.2190,
0.2433

■ 40.0578, 0.2067,
0.2262

■ 35.0544, 0.1963,
0.2092

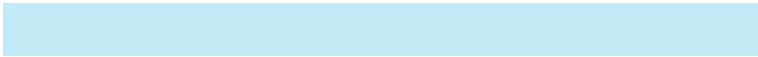
■ 30.7535, 0.1883,
0.1925

■ 27.3360, 0.1827,
0.1777

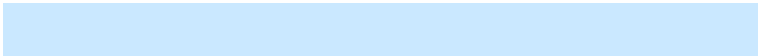
Harmonies

Analogous

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



77.4898, 0.2790, 0.3168



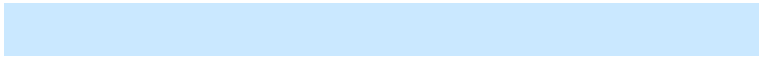
77.4898, 0.2799, 0.3044



77.4898, 0.2894, 0.2989

Triad

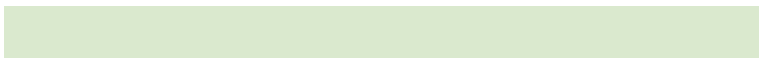
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.4898, 0.2799, 0.3044



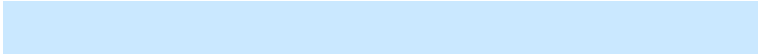
77.4898, 0.3392, 0.3241



77.4898, 0.3195, 0.3590

Complementary

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



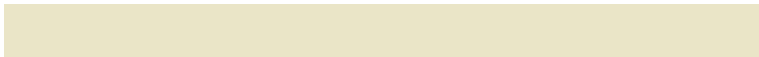
77.4898, 0.2799, 0.3044



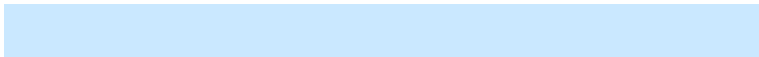
79.3284, 0.3500, 0.3524

Split Complementary

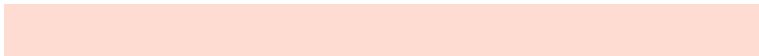
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.4898, 0.3360, 0.3602



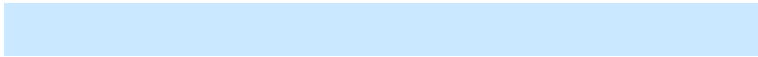
77.4898, 0.2799, 0.3044



77.4898, 0.3477, 0.3395

Square

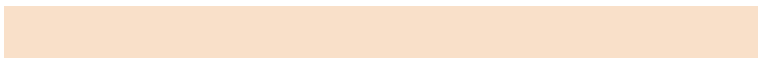
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.4898, 0.2799, 0.3044



77.4898, 0.3235, 0.3102



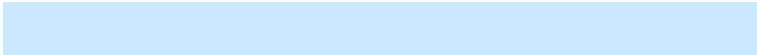
77.4898, 0.3465, 0.3528



77.4898, 0.3015, 0.3490

Rectangle

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



77.4898, 0.2799, 0.3044



77.4898, 0.2994, 0.2995



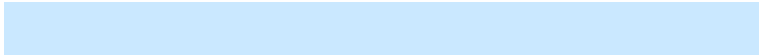
77.4898, 0.3465, 0.3528



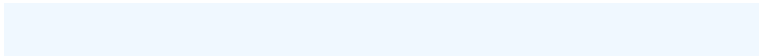
77.4898, 0.3254, 0.3604

Sweetspot

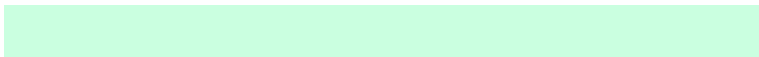
The Sweet Spot groups the original color and five complimentary colors.



77.4918, 0.2799, 0.3044



93.0575, 0.3034, 0.3225



89.4524, 0.2979, 0.3622



19.7612, 0.3024, 0.3217



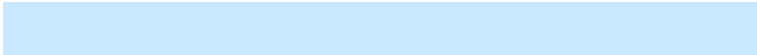
0.0000, 0.0000, 0.0000



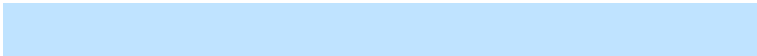
21.4041, 0.3127, 0.3290

Same Dimension

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



77.4918, 0.2799, 0.3044



73.4803, 0.2732, 0.2988



64.0844, 0.2780, 0.2760



19.0869, 0.2979, 0.3184



14.5862, 0.1834, 0.1803



1.6375, 0.1886, 0.1988

Inverse Universe

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



69.2995, 0.3317, 0.2988



64.1983, 0.3364, 0.2925



94.2525, 0.3450, 0.3770



18.1596, 0.3205, 0.3156



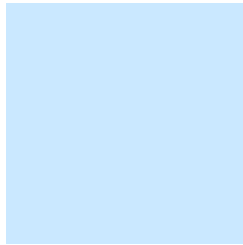
12.2005, 0.4682, 0.2353



1.2099, 0.4467, 0.2234

Previews

White Background



This preview shows how the Yxy color 77.4898, 0.2799, 0.3044 looks on a white background.

Color Contrast Check

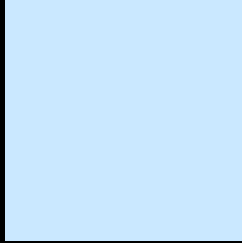
Large Text (above 18pt) WCAG AA × Fail

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 77.4898, 0.2799, 0.3044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

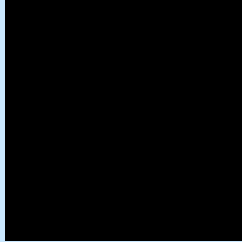
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

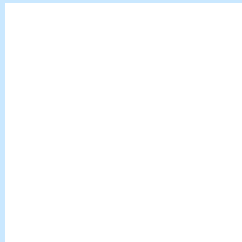
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.4898, 0.2799, 0.3044

Background



This preview shows how black text looks on a background with the Yxy color 77.4898, 0.2799, 0.3044.

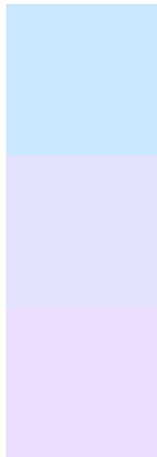


This preview shows how white text looks on a background with the Yxy color 77.4898, 0.2799, 0.3044.

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

77.4898, 0.2799, 0.3044

Protanopia

77.3653, 0.2964, 0.3031

Deuteranopia

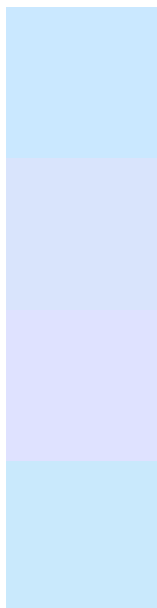
77.1247, 0.3006, 0.2956



Tritanopia

77.6604, 0.2816, 0.3096

Trichromacy



Original Color

77.4898, 0.2799, 0.3044

Protanomaly

77.2668, 0.2907, 0.3038

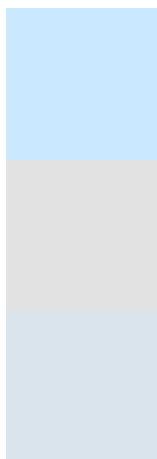
Deuteranomaly

77.3007, 0.2927, 0.2990

Tritanomaly

77.7236, 0.2811, 0.3086

Monochromacy



Original Color

77.4898, 0.2799, 0.3044

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.3529, 0.2997, 0.3194

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.4898, 0.2799, 0.3044 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, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 232, 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, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 232, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.4898, 0.2799, 0.3044 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, 232, 255) }
```

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

```
.border{ border-color:rgb(202, 232, 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, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 232,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.4898, 0.2799, 0.3044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 232, 255) }
```

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

```
.background{ background-color: rgb(202,  
232, 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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