

Converting Colors

Yxy(80.9876, 0.2793, 0.3115)

Have a look what the booklet for
Yxy(80.9876, 0.2793, 0.3115)
contains.

Yxy(81.2324, 0.2793, 0.3119)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(81.2324, 0.2793, 0.3119)

Conversions

Conversions Part 1

Format	Color
Hex	C8EFFF
RGB	200, 239, 255
RGB Percent	78%, 94%, 100%
CMY	0.2156, 0.0628, 0.0000
CMYK	0.22, 0.06, 0.00, 0.00
HSL	197°, 100%, 89%
HSV	197°, 22%, 100%
XYZ	72.7419, 81.2324, 106.4694
YIQ	229.1630, -28.3800, -3.2920

Conversions

Conversions Part 2

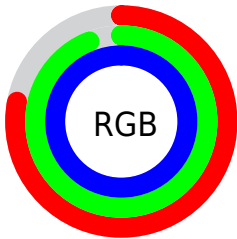
Format	Color
R_{YB}	200, 223, 255
Decimal	13168639
CIE _{Lab}	92.24, -9.18, -11.90
CIE _{LCh}	92, 15.027, 232.361
Yxy	81.2324, 0.2793, 0.3119
Android (android.graphics.Color)	4291358719 (0xFFC8EFFF)
YUV	229.1630, 12.7376, -25.5760
Hunter-Lab	90.1290, -13.6608, -6.9490

Details

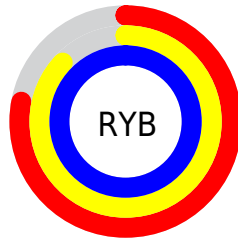
The Yxy color **81.2324, 0.2793, 0.3119** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.5541, 0.3532, 0.3455**, and the grayscale version is **78.4044, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.9639, 0.2720, 0.3082** is the 20% darker color. If you saturate the color by 10%, you get **73.7539, 0.2642, 0.3028**, and if you desaturate by 10%, it is **89.4788, 0.2948, 0.3203**.

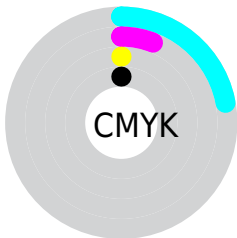
Distribution



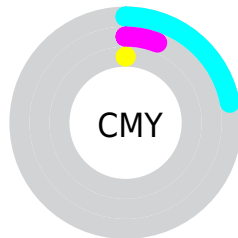
- Red (78%)
- Green (94%)
- Blue (100%)



- Red (78%)
- Yellow (87%)
- Blue (100%)



- Cyan (22%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.2324, 0.2793, 0.3119 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 81.2324, 0.2793, 0.3119 by changing the saturation by 10% instead.

81.2324, 0.2793,
0.3119

81.2324, 0.2793,
0.3119

499.0765, 0.2943,
0.3198

60.7330, 0.2760,
0.3101

135.0970, 0.2844,
0.3146

44.0097, 0.2719,
0.3079

169.2311, 0.2864,
0.3157

30.6782, 0.2669,
0.3051

208.6788, 0.2882,
0.3166

20.3539, 0.2605,
0.3014

253.8246, 0.2897,
0.3174

12.6526, 0.2520,
0.2964

305.0529, 0.2910,
0.3181

7.1897, 0.2402,
0.2893

362.7480, 0.2923,

3.5810, 0.2228,

0.3188

0.2784

427.2944, 0.2933,
0.3193

1.4421, 0.1952,
0.2598

0.2474, 0.0082,
0.1811

81.2324, 0.2793,
0.3119

81.2324, 0.2793,
0.3119

73.7539, 0.2642,
0.3028

89.4788, 0.2948,
0.3203

67.0063, 0.2499,
0.2930

98.5163, 0.3103,
0.3279

60.9580, 0.2366,
0.2826

100.0000, 0.3127,
0.3290

55.5720, 0.2248,
0.2718

■ 50.8075, 0.2148,
0.2607

■ 46.6174, 0.2067,
0.2495

■ 42.9458, 0.2007,
0.2385

■ 40.1798, 0.1970,
0.2293

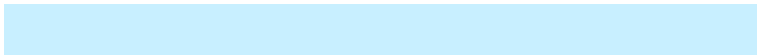
Harmonies

Analogous

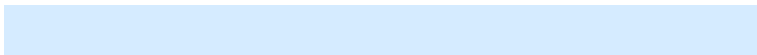
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.2324, 0.2837, 0.3268



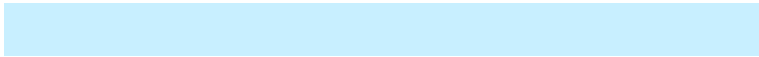
81.2324, 0.2793, 0.3119



81.2324, 0.2835, 0.3022

Triad

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



81.2324, 0.2793, 0.3119



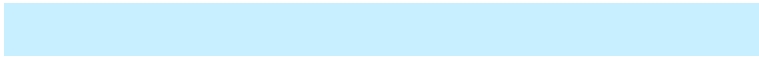
81.2324, 0.3296, 0.3156



81.2324, 0.3296, 0.3598

Complementary

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



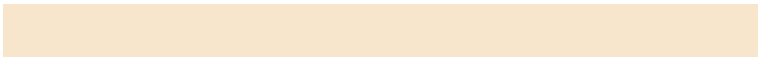
81.2324, 0.2793, 0.3119



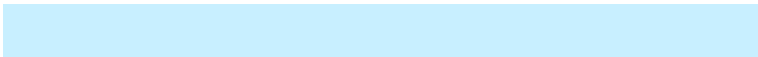
74.5541, 0.3532, 0.3455

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.



81.2324, 0.3425, 0.3557



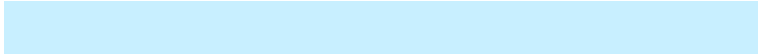
81.2324, 0.2793, 0.3119



81.2324, 0.3426, 0.3301

Square

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



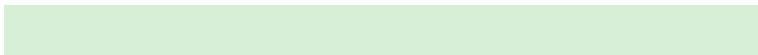
81.2324, 0.2793, 0.3119



81.2324, 0.3123, 0.3046



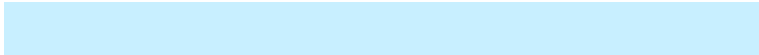
81.2324, 0.3473, 0.3447



81.2324, 0.3124, 0.3552

Rectangle

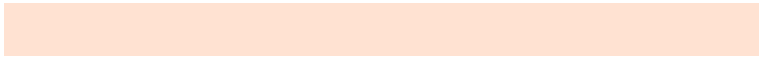
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



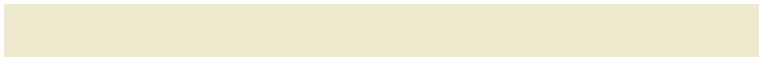
81.2324, 0.2793, 0.3119



81.2324, 0.2908, 0.2997



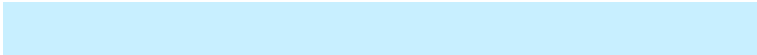
81.2324, 0.3473, 0.3447



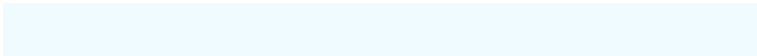
81.2324, 0.3346, 0.3594

Sweetspot

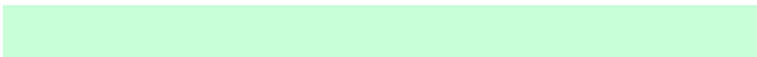
The Sweet Spot groups the original color and five complimentary colors.



81.2344, 0.2793, 0.3119



94.4045, 0.3034, 0.3246



88.7393, 0.3013, 0.3718



20.0798, 0.3024, 0.3241



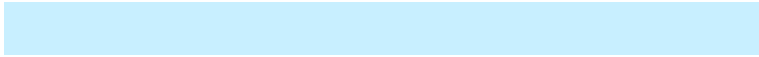
0.0000, 0.0000, 0.0000



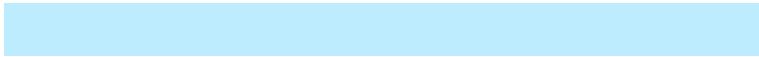
21.4041, 0.3127, 0.3290

Same Dimension

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



81.2344, 0.2793, 0.3119



77.8209, 0.2726, 0.3080



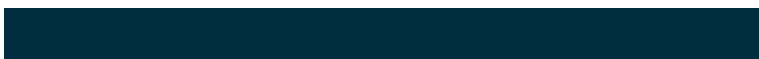
66.5556, 0.2772, 0.2821



19.5358, 0.2980, 0.3219



21.2650, 0.1975, 0.2311



2.2591, 0.2010, 0.2436

Inverse Universe

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



68.8100, 0.3267, 0.2902



63.5652, 0.3302, 0.2819



89.5849, 0.3477, 0.3719



18.2049, 0.3183, 0.3123



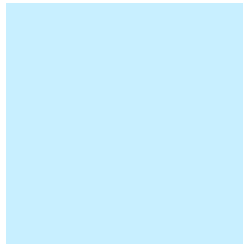
12.8747, 0.4115, 0.2041



1.2726, 0.3987, 0.1970

Previews

White Background



This preview shows how the Yxy color 81.2324, 0.2793, 0.3119 looks on a white background.

Color Contrast Check

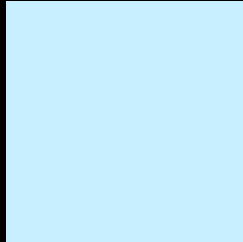
Large Text (above 18pt) WCAG AA × Fail

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 81.2324, 0.2793, 0.3119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

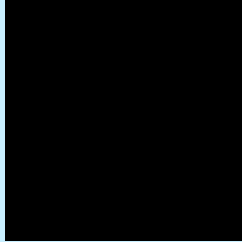
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

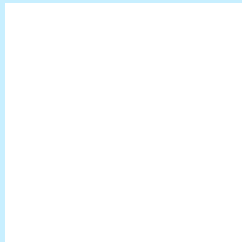
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.2324, 0.2793, 0.3119

Background



This preview shows how black text looks on a background with the Yxy color 81.2324, 0.2793, 0.3119.

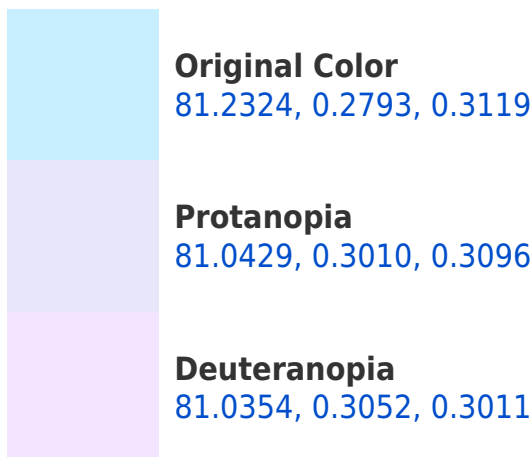


This preview shows how white text looks on a background with the Yxy color 81.2324, 0.2793, 0.3119.

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

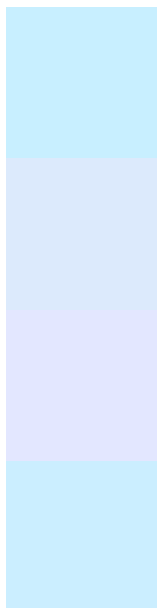




Tritanopia

81.2064, 0.2816, 0.3110

Trichromacy



Original Color

81.2324, 0.2793, 0.3119

Protanomaly

81.0896, 0.2928, 0.3103

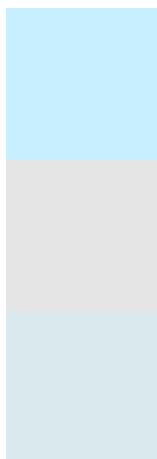
Deuteranomaly

80.7027, 0.2954, 0.3045

Tritanomaly

81.0656, 0.2810, 0.3109

Monochromacy



Original Color

81.2324, 0.2793, 0.3119

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.3563, 0.2997, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.2324, 0.2793, 0.3119 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(200, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 239, 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(200, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 239, 255) }
```

Border

The CSS property to change the border of an element to Yxy 81.2324, 0.2793, 0.3119 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(200, 239, 255) }
```

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

```
.border{ border-color:rgb(200, 239, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 239,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 81.2324, 0.2793, 0.3119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 239, 255) }
```

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

```
.background{ background-color: rgb(200,  
239, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor