

Converting Colors

$Y_{xy}(100.0000, 0.2134, 0.1839)$

Have a look what the booklet for
Yxy(100.0000, 0.2134, 0.1839)
contains.

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Color

Yxy(83.2808, 0.2807, 0.3152)

Conversions

Conversions Part 1

Format	Color
Hex	CAF2FF
RGB	202, 242, 255
RGB Percent	79%, 95%, 100%
CMY	0.2077, 0.0510, 0.0000
CMYK	0.21, 0.05, 0.00, 0.00
HSL	195°, 100%, 90%
HSV	195°, 21%, 100%
XYZ	74.1654, 83.2808, 106.7696
YIQ	231.5220, -28.0130, -4.4370

Conversions

Conversions Part 2

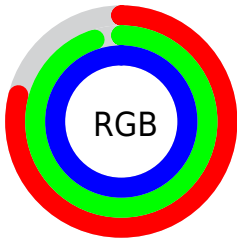
Format	Color
R _Y B	202, 225, 255
Decimal	13300479
CIE Lab	93.14, -10.10, -10.53
CIE LCh	93, 14.592, 226.189
Yxy	83.2808, 0.2807, 0.3152
Android (android.graphics.Color)	4291490559 (0xFFCAF2FF)
YUV	231.5220, 11.5747, -25.8908
Hunter-Lab	91.2583, -14.6356, -5.4868

Details

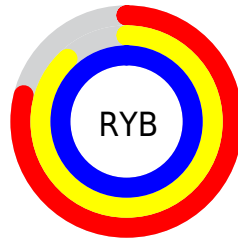
The Yxy color **83.2808, 0.2807, 0.3152** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.1444, 0.3519, 0.3424**, and the grayscale version is **80.2544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.3981, 0.2739, 0.3125** is the 20% darker color. If you saturate the color by 10%, you get **76.3530, 0.2659, 0.3076**, and if you desaturate by 10%, it is **90.9306, 0.2960, 0.3222**.

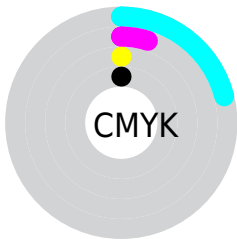
Distribution



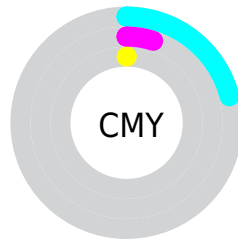
- Red (79%)
- Green (95%)
- Blue (100%)



- Red (79%)
- Yellow (88%)
- Blue (100%)



- Cyan (21%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.2808, 0.2807, 0.3152 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 83.2808, 0.2807, 0.3152 by changing the saturation by 10% instead.

83.2808, 0.2807,
0.3152

83.2808, 0.2807,
0.3152

505.9219, 0.2950,
0.3216

62.4218, 0.2775,
0.3137

137.9687, 0.2856,
0.3174

45.3736, 0.2737,
0.3119

172.5664, 0.2875,
0.3183

31.7518, 0.2689,
0.3097

212.5124, 0.2892,
0.3190

21.1720, 0.2628,
0.3067

258.1912, 0.2906,
0.3197

13.2498, 0.2548,
0.3027

309.9872, 0.2919,
0.3202

7.6008, 0.2437,
0.2969

368.2847, 0.2931,

3.8406, 0.2275,

0.3208

0.2880

433.4681, 0.2941,
0.3212

■ 1.5848, 0.2016,
0.2728

■ 0.3473, 0.0538,
0.2236

■ 83.2808, 0.2807,
0.3152

■ 83.2808, 0.2807,
0.3152

■ 76.3530, 0.2659,
0.3076

■ 90.9306, 0.2960,
0.3222

■ 70.1070, 0.2519,
0.2995

99.3204, 0.3115,
0.3285

■ 64.5136, 0.2391,
0.2909

99.9998, 0.3127,
0.3290

■ 59.5372, 0.2278,
0.2819

■ 55.1380, 0.2183,
0.2727

■ 51.2707, 0.2107,
0.2634

■ 47.8811, 0.2052,
0.2542

■ 45.0981, 0.2016,
0.2458

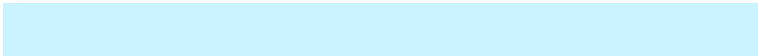
Harmonies

Analogous

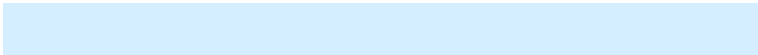
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.2808, 0.2866, 0.3301



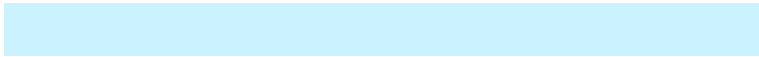
83.2808, 0.2807, 0.3152



83.2808, 0.2831, 0.3046

Triad

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



83.2808, 0.2807, 0.3152



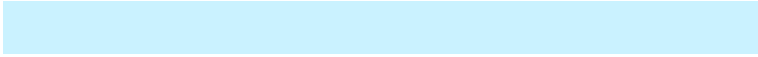
83.2808, 0.3258, 0.3135



83.2808, 0.3320, 0.3585

Complementary

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



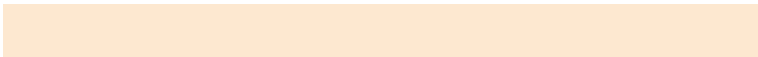
83.2808, 0.2807, 0.3152



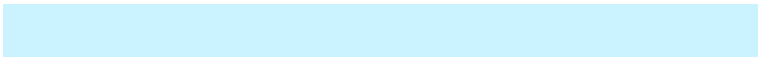
74.1444, 0.3519, 0.3424

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.



83.2808, 0.3431, 0.3530



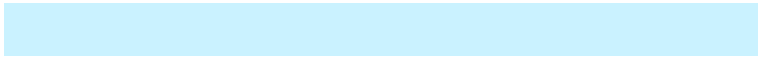
83.2808, 0.2807, 0.3152



83.2808, 0.3395, 0.3270

Square

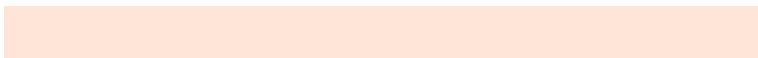
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



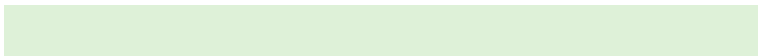
83.2808, 0.2807, 0.3152



83.2808, 0.3088, 0.3040



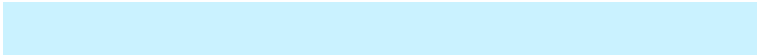
83.2808, 0.3458, 0.3414



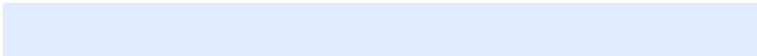
83.2808, 0.3159, 0.3558

Rectangle

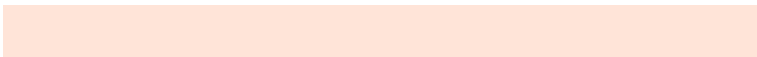
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.2808, 0.2807, 0.3152



83.2808, 0.2891, 0.3011



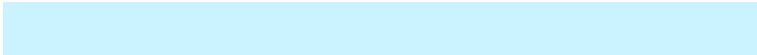
83.2808, 0.3458, 0.3414



83.2808, 0.3364, 0.3575

Sweetspot

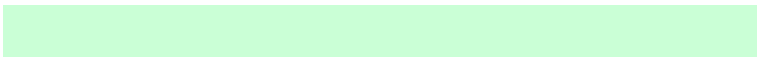
The Sweet Spot groups the original color and five complimentary colors.



83.2842, 0.2807, 0.3152



94.8401, 0.3034, 0.3253



88.9548, 0.3032, 0.3730



20.1830, 0.3024, 0.3249



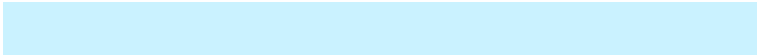
0.0000, 0.0000, 0.0000



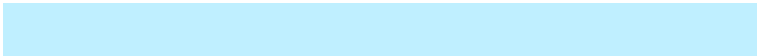
21.4041, 0.3127, 0.3290

Same Dimension

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



83.2842, 0.2807, 0.3152



80.2684, 0.2744, 0.3121



68.9747, 0.2788, 0.2869



19.6816, 0.2980, 0.3230



23.8123, 0.2021, 0.2474



2.4896, 0.2049, 0.2578

Inverse Universe

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



69.9281, 0.3244, 0.2893



64.8836, 0.3272, 0.2810



88.3614, 0.3468, 0.3678



18.2197, 0.3176, 0.3112



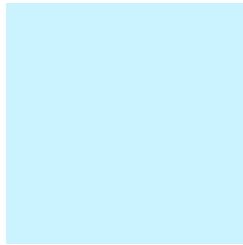
13.1318, 0.3949, 0.1949



1.2959, 0.3846, 0.1892

Previews

White Background



This preview shows how the Yxy color 83.2808, 0.2807, 0.3152 looks on a white background.

Color Contrast Check

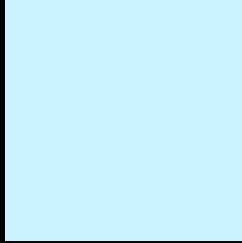
Large Text (above 18pt) WCAG AA × Fail

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 83.2808, 0.2807, 0.3152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

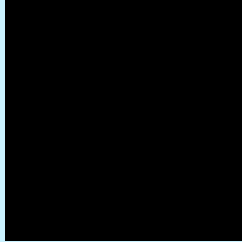
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.2808, 0.2807, 0.3152

Background



This preview shows how black text looks on a background with the Yxy color 83.2808, 0.2807, 0.3152.



This preview shows how white text looks on a background with the Yxy color 83.2808, 0.2807, 0.3152.

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

83.2808, 0.2807, 0.3152

Protanopia

82.8421, 0.3036, 0.3118

Deuteranopia

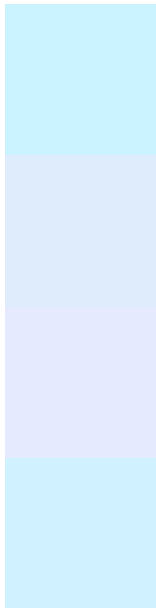
82.6711, 0.3072, 0.3033



Tritanopia

83.3891, 0.2858, 0.3133

Trichromacy



Original Color

83.2808, 0.2807, 0.3152

Protanomaly

82.7072, 0.2947, 0.3125

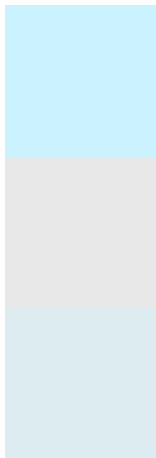
Deuteranomaly

82.7237, 0.2967, 0.3077

Tritanomaly

83.5405, 0.2841, 0.3143

Monochromacy



Original Color

83.2808, 0.2807, 0.3152

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.6543, 0.3005, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2808, 0.2807, 0.3152 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, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 242, 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, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 242, 255) }
```

Border

The CSS property to change the border of an element to Yxy 83.2808, 0.2807, 0.3152 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, 242, 255) }
```

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

```
.border{ border-color:rgb(202, 242, 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, 242, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 242,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2808, 0.2807, 0.3152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 242, 255) }
```

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

```
.background{ background-color: rgb(202,  
242, 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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