

Converting Colors

$Yxy(83.8420, 0.2804, 0.3163)$

Have a look what the booklet for
Yxy(83.8420, 0.2804, 0.3163)
contains.

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Color

Yxy(83.7387, 0.2802, 0.3162)

Conversions

Conversions Part 1

Format	Color
Hex	C9F3FF
RGB	201, 243, 255
RGB Percent	79%, 95%, 100%
CMY	0.2115, 0.0471, 0.0000
CMYK	0.21, 0.05, 0.00, 0.00
HSL	193°, 100%, 89%
HSV	193°, 21%, 100%
XYZ	74.2049, 83.7387, 106.8847
YIQ	231.8100, -28.8840, -5.1720

Conversions

Conversions Part 2

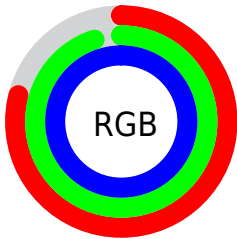
Format	Color
R _Y B	201, 225, 255
Decimal	13235199
CIE Lab	93.34, -10.88, -10.26
CIE LCh	93, 14.953, 223.311
Yxy	83.7387, 0.2802, 0.3162
Android (android.graphics.Color)	4291425279 (0xFFC9F3FF)
YUV	231.8100, 11.4327, -27.0204
Hunter-Lab	91.5089, -15.3942, -5.1960

Details

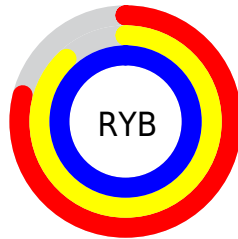
The Yxy color **83.7387, 0.2802, 0.3162** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.1100, 0.3531, 0.3414**, and the grayscale version is **80.4849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.7289, 0.2733, 0.3139** is the 20% darker color. If you saturate the color by 10%, you get **77.1458, 0.2656, 0.3093**, and if you desaturate by 10%, it is **91.0263, 0.2954, 0.3226**.

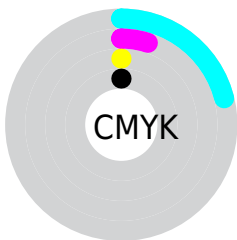
Distribution



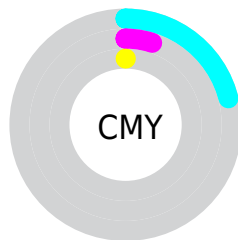
- Red (79%)
- Green (95%)
- Blue (100%)



- 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 83.7387, 0.2802, 0.3162 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 83.7387, 0.2802, 0.3162 by changing the saturation by 10% instead.

83.7387, 0.2802,
0.3162

83.7387, 0.2802,
0.3162

507.4451, 0.2947,
0.3222

62.7997, 0.2770,
0.3148

138.6096, 0.2851,
0.3183

45.6792, 0.2731,
0.3132

173.3103, 0.2871,
0.3191

31.9928, 0.2683,
0.3110

213.3671, 0.2888,
0.3198

21.3560, 0.2621,
0.3082

259.1642, 0.2903,
0.3204

13.3844, 0.2540,
0.3045

311.0862, 0.2916,
0.3209

7.6938, 0.2428,
0.2990

369.5175, 0.2927,

3.8997, 0.2264,

0.3214

0.2907

434.8423, 0.2938,
0.3218

1.6176, 0.2004,
0.2762

0.3694, 0.0540,
0.2334

83.7387, 0.2802,
0.3162

83.7387, 0.2802,
0.3162

77.1458, 0.2656,
0.3093

91.0263, 0.2954,
0.3226

71.2134, 0.2518,
0.3020

99.0323, 0.3109,
0.3284

65.9108, 0.2394,
0.2942

100.0000, 0.3127,
0.3290

61.2024, 0.2284,
0.2861

■ 57.0487, 0.2193,
0.2778

■ 53.4044, 0.2122,
0.2695

■ 50.2153, 0.2071,
0.2612

■ 47.6986, 0.2039,
0.2540

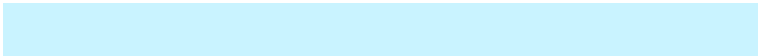
Harmonies

Analogous

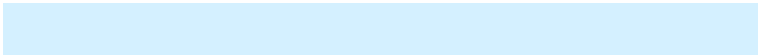
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7387, 0.2870, 0.3317



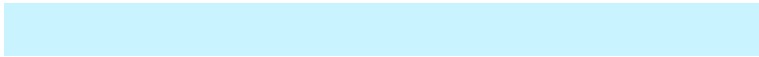
83.7387, 0.2802, 0.3162



83.7387, 0.2818, 0.3048

Triad

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



83.7387, 0.2802, 0.3162



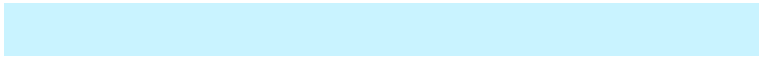
83.7387, 0.3245, 0.3120



83.7387, 0.3338, 0.3590

Complementary

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



83.7387, 0.2802, 0.3162



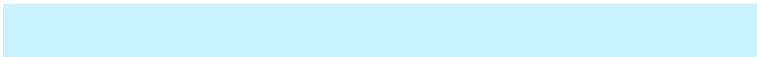
73.1100, 0.3531, 0.3414

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.



83.7387, 0.3444, 0.3526



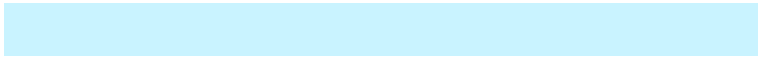
83.7387, 0.2802, 0.3162



83.7387, 0.3390, 0.3256

Square

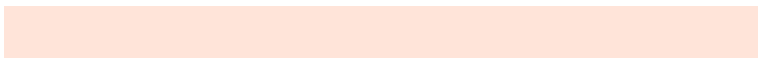
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.7387, 0.2802, 0.3162



83.7387, 0.3070, 0.3028



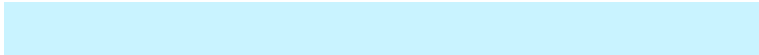
83.7387, 0.3464, 0.3403



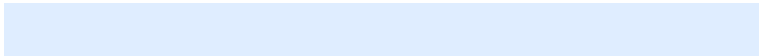
83.7387, 0.3177, 0.3571

Rectangle

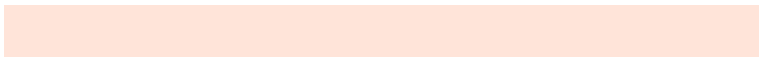
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.7387, 0.2802, 0.3162



83.7387, 0.2875, 0.3008



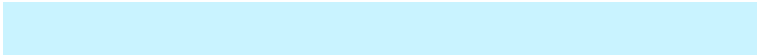
83.7387, 0.3464, 0.3403



83.7387, 0.3382, 0.3577

Sweetspot

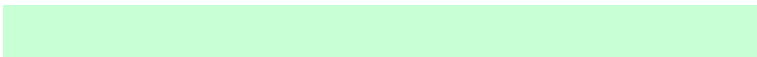
The Sweet Spot groups the original color and five complimentary colors.



83.7401, 0.2802, 0.3162



95.0575, 0.3034, 0.3256



88.7386, 0.3035, 0.3749



20.2345, 0.3024, 0.3253



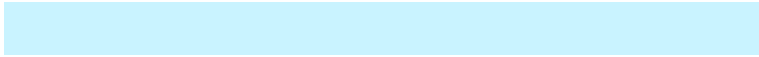
0.0000, 0.0000, 0.0000



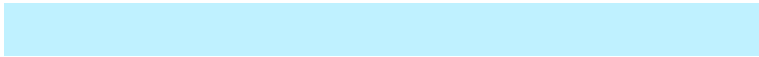
21.4041, 0.3127, 0.3290

Same Dimension

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



83.7401, 0.2802, 0.3162



81.1207, 0.2745, 0.3136



68.9378, 0.2782, 0.2871



19.7545, 0.2980, 0.3236



25.1564, 0.2043, 0.2554



2.6102, 0.2069, 0.2647

Inverse Universe

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



69.5355, 0.3237, 0.2874



64.9696, 0.3261, 0.2796



87.6354, 0.3477, 0.3677



18.2270, 0.3172, 0.3107



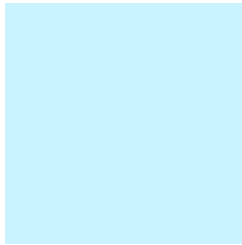
13.2675, 0.3869, 0.1905



1.3080, 0.3778, 0.1855

Previews

White Background



This preview shows how the Yxy color 83.7387, 0.2802, 0.3162 looks on a white background.

Color Contrast Check

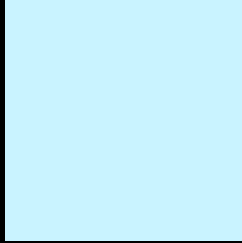
Large Text (above 18pt) WCAG AA × Fail

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 83.7387, 0.2802, 0.3162 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 83.7387, 0.2802, 0.3162

Background



This preview shows how black text looks on a background with the Yxy color 83.7387, 0.2802, 0.3162.

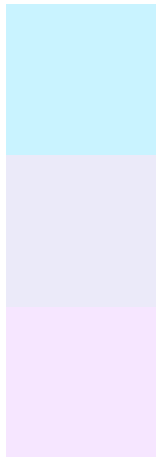


This preview shows how white text looks on a background with the Yxy color 83.7387, 0.2802, 0.3162.

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

83.7387, 0.2802, 0.3162

Protanopia

83.3474, 0.3042, 0.3138

Deuteranopia

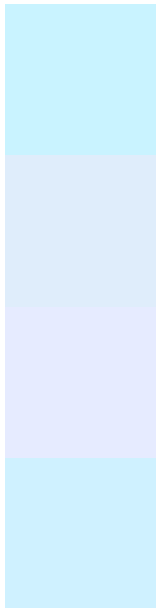
83.4065, 0.3078, 0.3044



Tritanopia

83.3891, 0.2858, 0.3133

Trichromacy



Original Color

83.7387, 0.2802, 0.3162

Protanomaly

83.2214, 0.2953, 0.3146

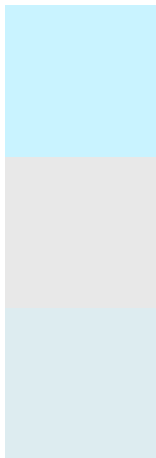
Deuteranomaly

83.4597, 0.2974, 0.3087

Tritanomaly

83.3960, 0.2835, 0.3143

Monochromacy



Original Color

83.7387, 0.2802, 0.3162

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 83.7387, 0.2802, 0.3162 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(201, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 243, 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(201, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 243, 255) }
```

Border

The CSS property to change the border of an element to Yxy 83.7387, 0.2802, 0.3162 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(201, 243, 255) }
```

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

```
.border{ border-color:rgb(201, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(201, 243,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7387, 0.2802, 0.3162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 243, 255) }
```

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

```
.background{ background-color: rgb(201,  
243, 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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