

Converting Colors

$Yxy(83.3157, 0.2808, 0.3086)$

Have a look what the booklet for
Yxy(83.3157, 0.2808, 0.3086)
contains.

Yxy(82.8056, 0.2835, 0.3132)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(82.8056, 0.2835, 0.3132)

Conversions

Conversions Part 1

Format	Color
Hex	CFF0FF
RGB	207, 240, 255
RGB Percent	81%, 94%, 100%
CMY	0.1880, 0.0589, 0.0001
CMYK	0.19, 0.06, 0.00, 0.00
HSL	199°, 100%, 91%
HSV	199°, 19%, 100%
XYZ	74.9533, 82.8056, 106.6268
YIQ	231.8430, -24.4830, -2.3310

Conversions

Conversions Part 2

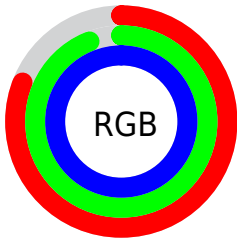
Format	Color
R_{YB}	207, 227, 255
Decimal	13627647
CIE _{Lab}	92.93, -7.58, -10.80
CIE _{LCh}	93, 13.195, 234.934
Yxy	82.8056, 0.2835, 0.3132
Android (android.graphics.Color)	4291817727 (0xFFCFF0FF)
YUV	231.8430, 11.4164, -21.7873
Hunter-Lab	90.9976, -12.2180, -5.7750

Details

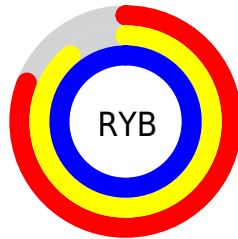
The Yxy color **82.8056, 0.2835, 0.3132** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.0402, 0.3469, 0.3443**, and the grayscale version is **80.5089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.0336, 0.2772, 0.3099** is the 20% darker color. If you saturate the color by 10%, you get **74.8319, 0.2682, 0.3036**, and if you desaturate by 10%, it is **91.5858, 0.2991, 0.3220**.

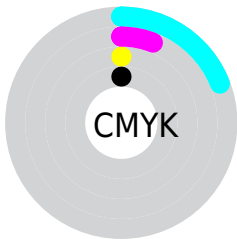
Distribution



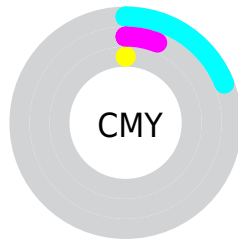
- Red (81%)
- Green (94%)
- Blue (100%)



- Red (81%)
- Yellow (89%)
- Blue (100%)



- Cyan (19%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.8056, 0.2835, 0.3132 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 82.8056, 0.2835, 0.3132 by changing the saturation by 10% instead.

82.8056, 0.2835,
0.3132

82.8056, 0.2835,
0.3132

504.3384, 0.2966,
0.3205

62.0298, 0.2806,
0.3116

137.3032, 0.2880,
0.3157

45.0568, 0.2771,
0.3095

171.7937, 0.2897,
0.3167

31.5021, 0.2727,
0.3070

211.6246, 0.2912,
0.3175

20.9815, 0.2671,
0.3037

257.1803, 0.2926,
0.3183

13.1105, 0.2597,
0.2992

308.8451, 0.2938,
0.3189

7.5047, 0.2494,
0.2929

367.0034, 0.2948,

3.7797, 0.2343,

0.3195

0.2832

432.0398, 0.2957,
0.3200

■ 1.5511, 0.2101,
0.2668

■ 0.3243, 0.0788,
0.2075

■ 82.8056, 0.2835,
0.3132

■ 82.8056, 0.2835,
0.3132

■ 74.8319, 0.2682,
0.3036

■ 91.5858, 0.2991,
0.3220

■ 67.6234, 0.2534,
0.2932

99.9991, 0.3127,
0.3290

■ 61.1501, 0.2395,
0.2822

■ 55.3757, 0.2270,
0.2706

■ 50.2599, 0.2161,
0.2586

■ 45.7570, 0.2072,
0.2465

■ 41.8135, 0.2003,
0.2345

■ 38.3530, 0.1953,
0.2227

■ 37.9564, 0.1948,
0.2213

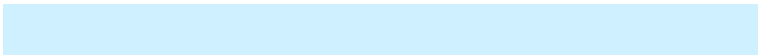
Harmonies

Analogous

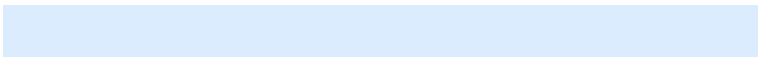
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.8056, 0.2867, 0.3259



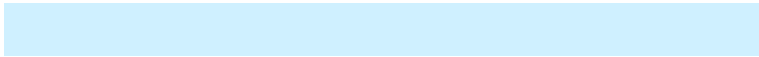
82.8056, 0.2835, 0.3132



82.8056, 0.2879, 0.3051

Triad

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



82.8056, 0.2835, 0.3132



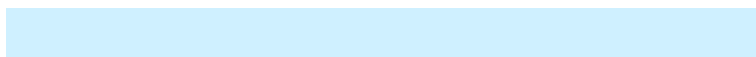
82.8056, 0.3287, 0.3183



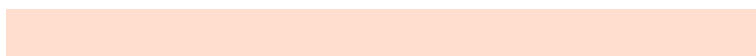
82.8056, 0.3263, 0.3558

Complementary

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



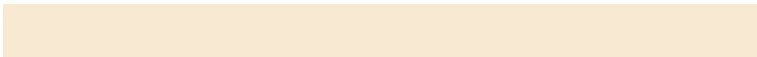
82.8056, 0.2835, 0.3132



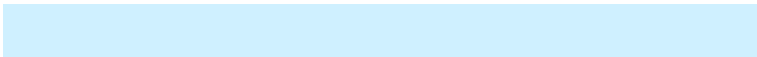
78.0402, 0.3469, 0.3443

Split Complementary

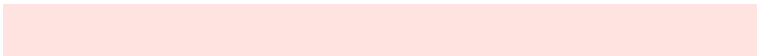
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.8056, 0.3380, 0.3529



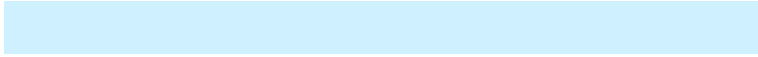
82.8056, 0.2835, 0.3132



82.8056, 0.3394, 0.3311

Square

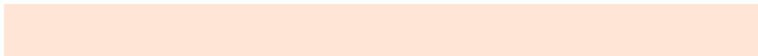
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



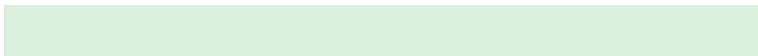
82.8056, 0.2835, 0.3132



82.8056, 0.3137, 0.3083



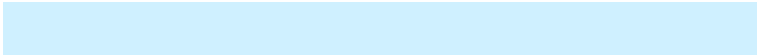
82.8056, 0.3428, 0.3438



82.8056, 0.3112, 0.3510

Rectangle

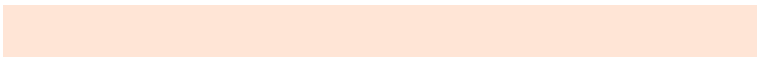
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.8056, 0.2835, 0.3132



82.8056, 0.2946, 0.3033



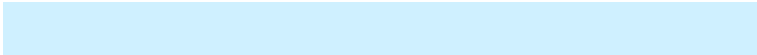
82.8056, 0.3428, 0.3438



82.8056, 0.3307, 0.3556

Sweetspot

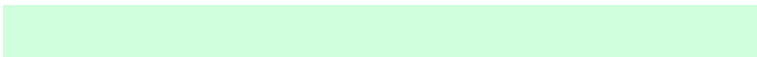
The Sweet Spot groups the original color and five complimentary colors.



82.8090, 0.2835, 0.3132



94.1962, 0.3034, 0.3243



90.0297, 0.3023, 0.3648



20.0305, 0.3024, 0.3238



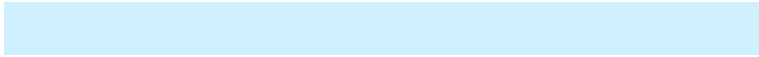
0.0000, 0.0000, 0.0000



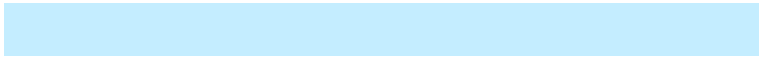
21.4041, 0.3127, 0.3290

Same Dimension

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



82.8090, 0.2835, 0.3132



79.3675, 0.2770, 0.3093



69.9395, 0.2820, 0.2879



19.4662, 0.2980, 0.3214



20.1146, 0.1954, 0.2232



2.1540, 0.1991, 0.2367

Inverse Universe

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



72.2058, 0.3254, 0.2963



66.9918, 0.3288, 0.2887



91.3136, 0.3428, 0.3670



18.1979, 0.3186, 0.3128



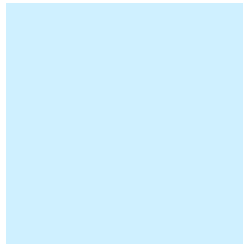
12.7585, 0.4198, 0.2086



1.2620, 0.4057, 0.2008

Previews

White Background



This preview shows how the Yxy color 82.8056, 0.2835, 0.3132 looks on a white background.

Color Contrast Check

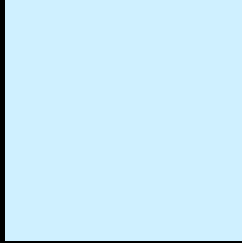
Large Text (above 18pt) WCAG AA × Fail

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 82.8056, 0.2835, 0.3132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

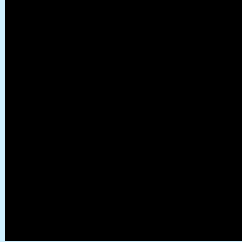
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

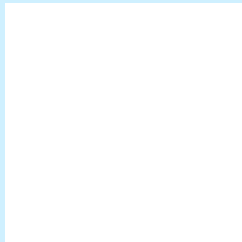
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.8056, 0.2835, 0.3132

Background



This preview shows how black text looks on a background with the Yxy color 82.8056, 0.2835, 0.3132.

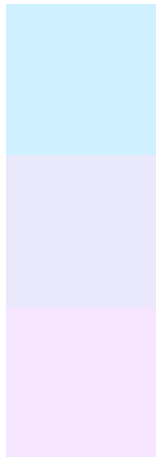


This preview shows how white text looks on a background with the Yxy color 82.8056, 0.2835, 0.3132.

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

82.8056, 0.2835, 0.3132

Protanopia

82.7353, 0.3023, 0.3108

Deuteranopia

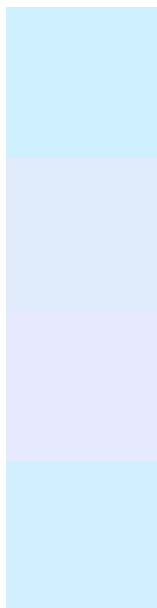
82.6711, 0.3072, 0.3033



Tritanopia

82.9501, 0.2864, 0.3123

Trichromacy



Original Color

82.8056, 0.2835, 0.3132

Protanomaly

82.8665, 0.2953, 0.3125

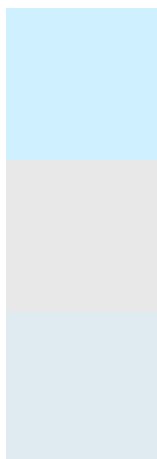
Deuteranomaly

82.4868, 0.2980, 0.3067

Tritanomaly

82.6546, 0.2852, 0.3122

Monochromacy



Original Color

82.8056, 0.2835, 0.3132

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.3959, 0.3018, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8056, 0.2835, 0.3132 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(207, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(207, 240, 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(207, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 240, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.8056, 0.2835, 0.3132 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(207, 240, 255) }
```

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

```
.border{ border-color:rgb(207, 240, 255) }
```

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

Here you see how a box with a 4 pixel rgb(207, 240, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(207, 240,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8056, 0.2835, 0.3132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 240, 255) }
```

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

```
.background{ background-color: rgb(207,  
240, 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