

Converting Colors

$Y_{xy}(85.6839, 0.2595, 0.2693)$

Have a look what the booklet for
Yxy(85.6839, 0.2595, 0.2693)
contains.

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Color

Yxy(82.5193, 0.2823, 0.3131)

Conversions

Conversions Part 1

Format	Color
Hex	CDF0FF
RGB	205, 240, 255
RGB Percent	80%, 94%, 100%
CMY	0.1958, 0.0589, 0.0000
CMYK	0.20, 0.06, 0.00, 0.00
HSL	198°, 100%, 90%
HSV	198°, 20%, 100%
XYZ	74.4018, 82.5193, 106.6346
YIQ	231.2450, -25.6750, -2.7550

Conversions

Conversions Part 2

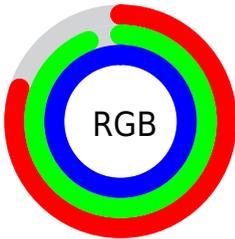
Format	Color
R _{YB}	205, 226, 255
Decimal	13496575
CIE _{Lab}	92.80, -8.17, -11.02
CIE _{LCh}	93, 13.722, 233.435
Y _{xy}	82.5193, 0.2823, 0.3131
Android (android.graphics.Color)	4291686655 (0xFFCDF0FF)
YUV	231.2450, 11.7112, -23.0169
Hunter-Lab	90.8401, -12.7714, -6.0108

Details

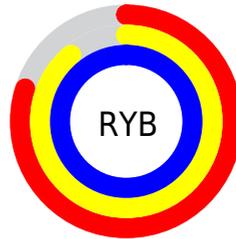
The Yxy color **82.5193, 0.2823, 0.3131** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.8947, 0.3488, 0.3443**, and the grayscale version is **80.0365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.8422, 0.2758, 0.3098** is the 20% darker color. If you saturate the color by 10%, you get **74.7660, 0.2671, 0.3039**, and if you desaturate by 10%, it is **91.0577, 0.2978, 0.3216**.

Distribution



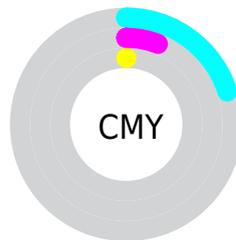
- Red (80%)
- Green (94%)
- Blue (100%)



- Red (80%)
- Yellow (89%)
- Blue (100%)



- Cyan (20%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.5193, 0.2823, 0.3131 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 82.5193, 0.2823, 0.3131 by changing the saturation by 10% instead.

82.5193, 0.2823,
0.3131

82.5193, 0.2823,
0.3131

503.3831, 0.2959,
0.3204

61.7937, 0.2793,
0.3114

136.9020, 0.2869,
0.3156

44.8660, 0.2756,
0.3094

171.3279, 0.2888,
0.3166

31.3519, 0.2711,
0.3068

211.0893, 0.2904,
0.3175

20.8670, 0.2652,
0.3035

256.5706, 0.2917,
0.3182

13.0268, 0.2575,
0.2989

308.1562, 0.2930,
0.3189

7.4470, 0.2468,
0.2925

366.2306, 0.2941,

3.7432, 0.2311,

0.3194

0.2826

431.1781, 0.2950,
0.3200

1.5310, 0.2060,
0.2659

0.3104, 0.0627,
0.2040

82.5193, 0.2823,
0.3131

82.5193, 0.2823,
0.3131

74.7660, 0.2671,
0.3039

91.0577, 0.2978,
0.3216

67.7617, 0.2525,
0.2938

100.0000, 0.3127,
0.3290

61.4749, 0.2389,
0.2832

55.8691, 0.2266,
0.2721

■ 50.9042, 0.2161,
0.2606

■ 46.5342, 0.2075,
0.2491

■ 42.7051, 0.2009,
0.2376

■ 39.3339, 0.1962,
0.2262

■ 39.1998, 0.1961,
0.2258

Harmonies

Analogous

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



82.5193, 0.2860, 0.3265



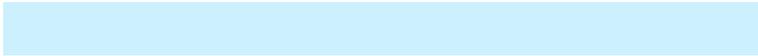
82.5193, 0.2823, 0.3131



82.5193, 0.2865, 0.3044

Triad

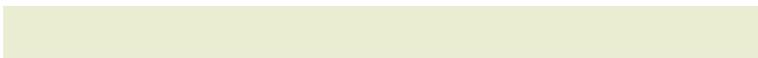
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.5193, 0.2823, 0.3131



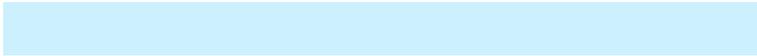
82.5193, 0.3286, 0.3172



82.5193, 0.3275, 0.3569

Complementary

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



82.5193, 0.2823, 0.3131



76.8947, 0.3488, 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.



82.5193, 0.3394, 0.3536



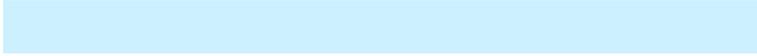
82.5193, 0.2823, 0.3131



82.5193, 0.3401, 0.3305

Square

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



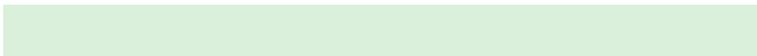
82.5193, 0.2823, 0.3131



82.5193, 0.3129, 0.3071



82.5193, 0.3441, 0.3438



82.5193, 0.3119, 0.3524

Rectangle

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



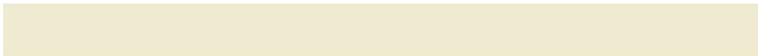
82.5193, 0.2823, 0.3131



82.5193, 0.2932, 0.3023



82.5193, 0.3441, 0.3438



82.5193, 0.3321, 0.3567

Sweetspot

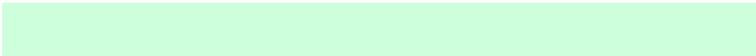
The Sweet Spot groups the original color and five complimentary colors.



82.5210, 0.2823, 0.3131



94.3135, 0.3034, 0.3245



89.6772, 0.3019, 0.3665



20.0583, 0.3024, 0.3240



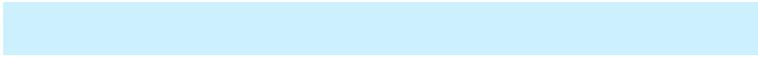
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



82.5210, 0.2823, 0.3131



79.0020, 0.2755, 0.3091



68.8330, 0.2806, 0.2859



19.5054, 0.2980, 0.3217



20.7570, 0.1966, 0.2277



2.2127, 0.2002, 0.2406

Inverse Universe

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



71.2419, 0.3256, 0.2943



65.8459, 0.3291, 0.2862



90.9828, 0.3441, 0.3687



18.2019, 0.3184, 0.3125



12.8234, 0.4151, 0.2060



1.2679, 0.4017, 0.1987

Previews

White Background



This preview shows how the Yxy color 82.5193, 0.2823, 0.3131 looks on a white background.

Color Contrast Check

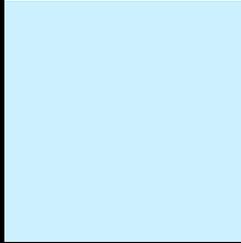
Large Text (above 18pt) WCAG AA × Fail

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 82.5193, 0.2823, 0.3131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

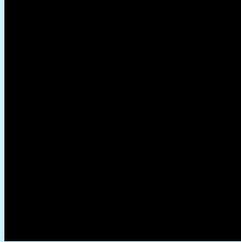
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

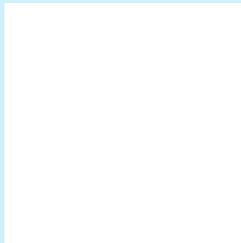
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.5193, 0.2823, 0.3131

Background



This preview shows how black text looks on a background with the Yxy color 82.5193, 0.2823, 0.3131.



This preview shows how white text looks on a background with the Yxy color 82.5193, 0.2823, 0.3131.

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

82.6546, 0.2852, 0.3122

Trichromacy



Original Color

82.5193, 0.2823, 0.3131

Protanomaly

82.1329, 0.2947, 0.3115

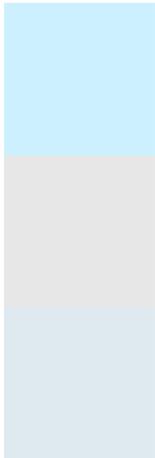
Deuteranomaly

81.7562, 0.2974, 0.3056

Tritanomaly

82.3629, 0.2840, 0.3122

Monochromacy



Original Color

82.5193, 0.2823, 0.3131

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.6665, 0.3011, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.5193, 0.2823, 0.3131 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(205, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 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(205, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 240, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.5193, 0.2823, 0.3131 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(205, 240, 255) }
```

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

```
.border{ border-color:rgb(205, 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(205, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 240,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.5193, 0.2823, 0.3131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 240, 255) }
```

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

```
.background{ background-color: rgb(205,  
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](#).

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