

Converting Colors

$Yxy(82.2106, 0.2742, 0.2918)$

Have a look what the booklet for
Yxy(82.2106, 0.2742, 0.2918)
contains.

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Color

Yxy(81.1983, 0.2839, 0.3100)

Conversions

Conversions Part 1

Format	Color
Hex	D0EDFF
RGB	208, 237, 255
RGB Percent	82%, 93%, 100%
CMY	0.1840, 0.0706, 0.0000
CMYK	0.18, 0.07, 0.00, 0.00
HSL	203°, 100%, 91%
HSV	203°, 18%, 100%
XYZ	74.3619, 81.1983, 106.3698
YIQ	230.3810, -23.0620, -0.5500

Conversions

Conversions Part 2

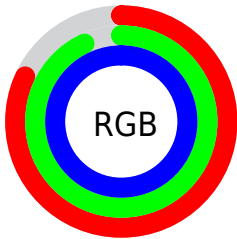
Format	Color
R _Y B	208, 226, 255
Decimal	13692415
CIE Lab	92.22, -5.74, -11.86
CIE LCh	92, 13.179, 244.176
Yxy	81.1983, 0.2839, 0.3100
Android (android.graphics.Color)	4291882495 (0xFFD0EDFF)
YUV	230.3810, 12.1372, -19.6281
Hunter-Lab	90.1101, -10.3884, -6.9114

Details

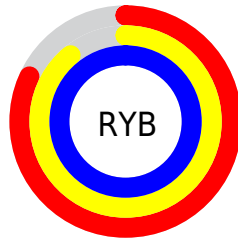
The Yxy color **81.1983, 0.2839, 0.3100** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.2552, 0.3455, 0.3473**, and the grayscale version is **79.3582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.8973, 0.2776, 0.3058** is the 20% darker color. If you saturate the color by 10%, you get **72.2820, 0.2681, 0.2982**, and if you desaturate by 10%, it is **91.0234, 0.2997, 0.3208**.

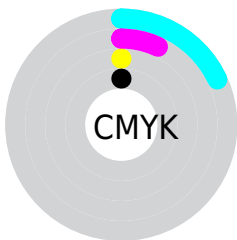
Distribution



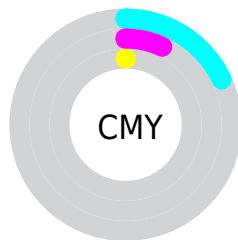
- Red (82%)
- Green (93%)
- Blue (100%)



- Red (82%)
- Yellow (89%)
- Blue (100%)



- Cyan (18%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.1983, 0.2839, 0.3100 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 81.1983, 0.2839, 0.3100 by changing the saturation by 10% instead.

81.1983, 0.2839,
0.3100

81.1983, 0.2839,
0.3100

498.9621, 0.2969,
0.3187

60.7049, 0.2810,
0.3080

135.0492, 0.2883,
0.3130

43.9871, 0.2775,
0.3056

169.1755, 0.2901,
0.3142

30.6604, 0.2731,
0.3026

208.6149, 0.2916,
0.3152

20.3404, 0.2675,
0.2986

253.7517, 0.2929,
0.3161

12.6427, 0.2601,
0.2933

304.9705, 0.2941,
0.3169

7.1830, 0.2498,
0.2858

362.6555, 0.2951,

3.5768, 0.2345,

0.3175

0.2745

427.1913, 0.2960,
0.3182

■ 1.4398, 0.2099,
0.2553

■ 0.2458, 0.0648,
0.1704

■ 81.1983, 0.2839,
0.3100

■ 81.1983, 0.2839,
0.3100

■ 72.2820, 0.2681,
0.2982

■ 91.0234, 0.2997,
0.3208

■ 64.2335, 0.2527,
0.2853

100.0000, 0.3127,
0.3290

■ 57.0198, 0.2380,
0.2716

■ 50.6022, 0.2244,
0.2571

■ 44.9380, 0.2124,
0.2422

■ 39.9794, 0.2023,
0.2271

■ 35.6704, 0.1943,
0.2122

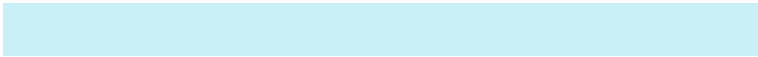
■ 31.9350, 0.1885,
0.1977

■ 31.3763, 0.1876,
0.1954

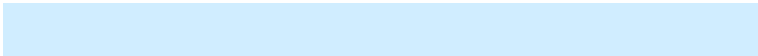
Harmonies

Analogous

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



81.1983, 0.2848, 0.3216



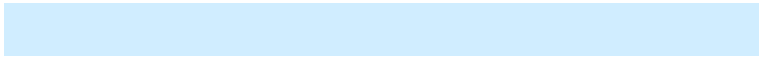
81.1983, 0.2839, 0.3100



81.1983, 0.2905, 0.3038

Triad

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



81.1983, 0.2839, 0.3100



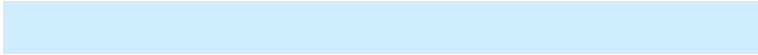
81.1983, 0.3327, 0.3220



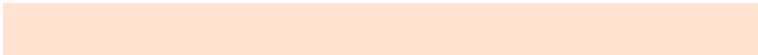
81.1983, 0.3218, 0.3553

Complementary

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



81.1983, 0.2839, 0.3100



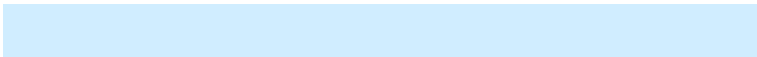
80.2552, 0.3455, 0.3473

Split Complementary

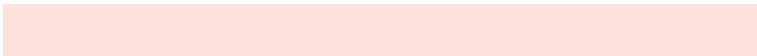
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.1983, 0.3351, 0.3547



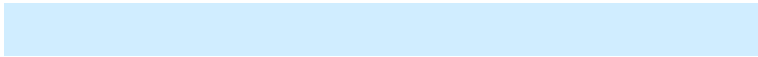
81.1983, 0.2839, 0.3100



81.1983, 0.3415, 0.3352

Square

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



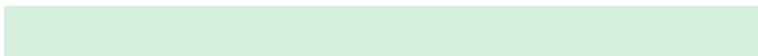
81.1983, 0.2839, 0.3100



81.1983, 0.3185, 0.3108



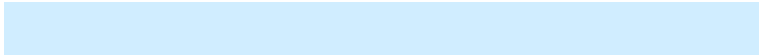
81.1983, 0.3424, 0.3472



81.1983, 0.3064, 0.3483

Rectangle

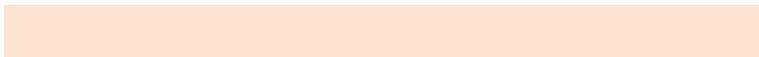
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.1983, 0.2839, 0.3100



81.1983, 0.2984, 0.3033



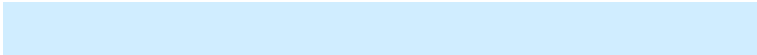
81.1983, 0.3424, 0.3472



81.1983, 0.3267, 0.3559

Sweetspot

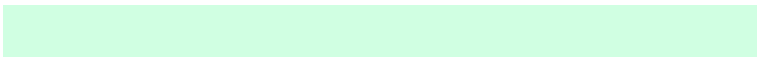
The Sweet Spot groups the original color and five complimentary colors.



81.2009, 0.2839, 0.3100



93.5230, 0.3034, 0.3232



90.4343, 0.3004, 0.3597



19.8713, 0.3024, 0.3226



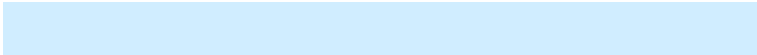
0.0000, 0.0000, 0.0000



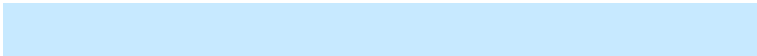
21.4041, 0.3127, 0.3290

Same Dimension

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



81.2009, 0.2839, 0.3100



77.8913, 0.2782, 0.3059



68.5031, 0.2825, 0.2845



19.2417, 0.2979, 0.3197



16.6927, 0.1883, 0.1978



1.8369, 0.1929, 0.2143

Inverse Universe

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



72.5194, 0.3274, 0.3002



67.9708, 0.3309, 0.2943



93.8938, 0.3414, 0.3699



18.1753, 0.3197, 0.3145



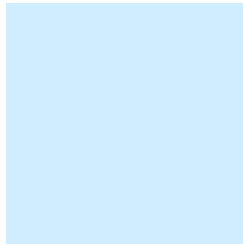
12.4131, 0.4478, 0.2241



1.2300, 0.4294, 0.2139

Previews

White Background



This preview shows how the Yxy color 81.1983, 0.2839, 0.3100 looks on a white background.

Color Contrast Check

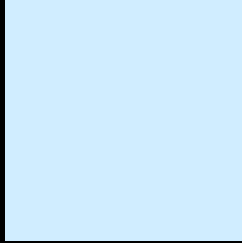
Large Text (above 18pt) WCAG AA × Fail

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 81.1983, 0.2839, 0.3100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

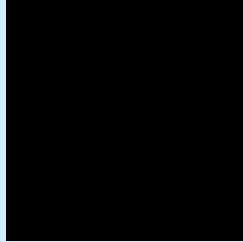
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

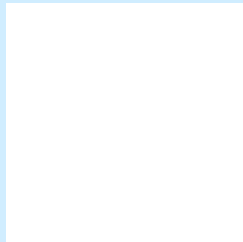
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.1983, 0.2839, 0.3100

Background



This preview shows how black text looks on a background with the Yxy color 81.1983, 0.2839, 0.3100.



This preview shows how white text looks on a background with the Yxy color 81.1983, 0.2839, 0.3100.

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

81.1983, 0.2839, 0.3100

Protanopia

81.1058, 0.3004, 0.3086

Deuteranopia

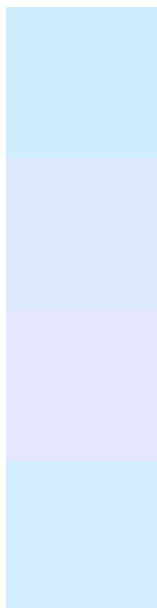
81.0354, 0.3052, 0.3011



Tritanopia

81.3437, 0.2845, 0.3101

Trichromacy



Original Color

81.1983, 0.2839, 0.3100

Protanomaly

80.9941, 0.2947, 0.3094

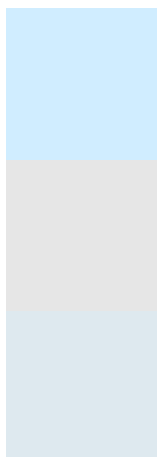
Deuteranomaly

81.1948, 0.2973, 0.3046

Tritanomaly

81.3437, 0.2845, 0.3101

Monochromacy



Original Color

81.1983, 0.2839, 0.3100

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

80.0394, 0.3017, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.1983, 0.2839, 0.3100 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(208, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(208, 237, 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(208, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 237, 255) }
```

Border

The CSS property to change the border of an element to Yxy 81.1983, 0.2839, 0.3100 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(208, 237, 255) }
```

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

```
.border{ border-color:rgb(208, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(208, 237,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 81.1983, 0.2839, 0.3100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 237, 255) }
```

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

```
.background{ background-color: rgb(208,  
237, 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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