

Converting Colors

$Yxy(81.5983, 0.2884, 0.3200)$

Have a look what the booklet for
Yxy(81.5983, 0.2884, 0.3200)
contains.

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Color

Yxy(81.8583, 0.2884, 0.3205)

Conversions

Conversions Part 1

Format	Color
Hex	D0EFF7
RGB	208, 239, 247
RGB Percent	82%, 94%, 97%
CMY	0.1844, 0.0627, 0.0315
CMYK	0.16, 0.03, 0.00, 0.03
HSL	192°, 71%, 89%
HSV	192°, 16%, 97%
XYZ	73.6597, 81.8583, 99.8901
YIQ	230.6430, -21.0440, -4.0840

Conversions

Conversions Part 2

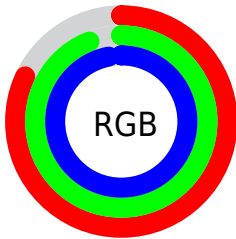
Format	Color
R _Y B	208, 225, 247
Decimal	13692919
CIE Lab	92.51, -8.46, -7.24
CIE LCh	93, 11.135, 220.588
Yxy	81.8583, 0.2884, 0.3205
Android (android.graphics.Color)	4291882999 (0xFFD0EFF7)
YUV	230.6430, 8.0640, -19.8579
Hunter-Lab	90.4756, -13.0084, -2.1266

Details

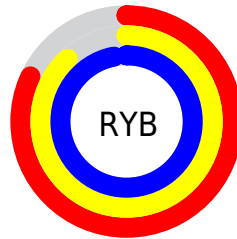
The Yxy color **81.8583, 0.2884, 0.3205** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.4045, 0.3413, 0.3373**, and the grayscale version is **79.5815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.4009, 0.2827, 0.3179** is the 20% darker color. If you saturate the color by 10%, you get **75.6453, 0.2735, 0.3145**, and if you desaturate by 10%, it is **88.7178, 0.3037, 0.3260**.

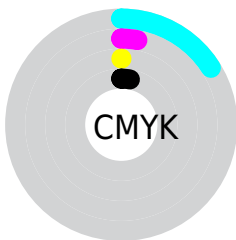
Distribution



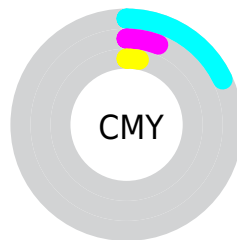
- Red (82%)
- Green (94%)
- Blue (97%)



- Red (82%)
- Yellow (88%)
- Blue (97%)



- Cyan (16%)
- Magenta (3%)
- Yellow (0%)
- Black (3%)



- Cyan (18%)
- Magenta (6%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.8583, 0.2884, 0.3205 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 81.8583, 0.2884, 0.3205 by changing the saturation by 10% instead.

81.8583, 0.2884,
0.3205

81.8583, 0.2884,
0.3205

501.1736, 0.2993,
0.3245

61.2487, 0.2860,
0.3196

135.9753, 0.2921,
0.3219

44.4259, 0.2830,
0.3185

170.2515, 0.2936,
0.3224

31.0055, 0.2793,
0.3170

209.8520, 0.2949,
0.3229

20.6030, 0.2746,
0.3152

255.1613, 0.2960,
0.3233

12.8342, 0.2682,
0.3126

306.5637, 0.2970,
0.3236

7.3144, 0.2594,
0.3090

364.4436, 0.2979,

3.6595, 0.2464,

0.3239

0.3032

429.1854, 0.2986,
0.3242

■ 1.4850, 0.2249,
0.2931

■ 0.2781, 0.0506,
0.2428

■ 81.8583, 0.2884,
0.3205

■ 81.8583, 0.2884,
0.3205

■ 75.6453, 0.2735,
0.3145

■ 88.7178, 0.3037,
0.3260

■ 70.0422, 0.2594,
0.3080

■ 95.7848, 0.3177,
0.3311

■ 65.0240, 0.2464,
0.3011

■ 98.9452, 0.3174,
0.3359

■ 60.5598, 0.2349,
0.2939

■ 99.4937, 0.3174,
0.3367

■ 56.6155, 0.2250,
0.2864

■ 53.1525, 0.2171,
0.2789

■ 50.1258, 0.2112,
0.2714

■ 47.4800, 0.2071,
0.2639

■ 46.4443, 0.2058,
0.2608

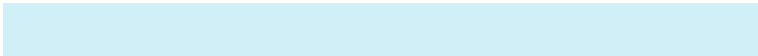
Harmonies

Analogous

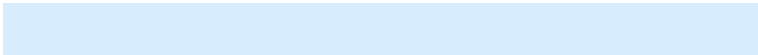
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.8583, 0.2941, 0.3322



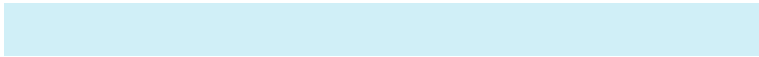
81.8583, 0.2884, 0.3205



81.8583, 0.2891, 0.3115

Triad

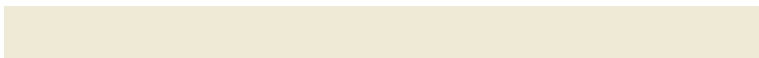
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.8583, 0.2884, 0.3205



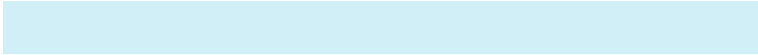
81.8583, 0.3204, 0.3154



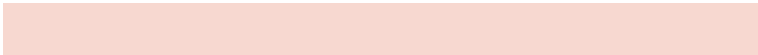
81.8583, 0.3295, 0.3513

Complementary

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



81.8583, 0.2884, 0.3205



73.4045, 0.3413, 0.3373

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.



81.8583, 0.3369, 0.3462



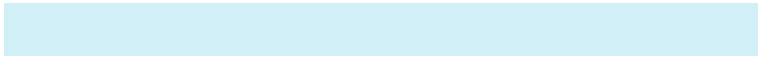
81.8583, 0.2884, 0.3205



81.8583, 0.3316, 0.3255

Square

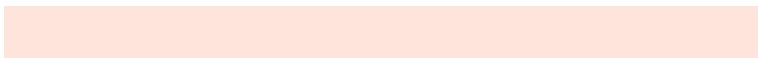
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



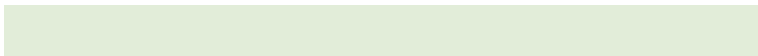
81.8583, 0.2884, 0.3205



81.8583, 0.3073, 0.3088



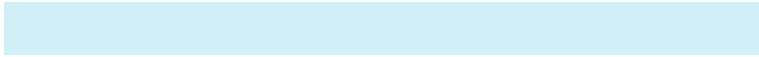
81.8583, 0.3377, 0.3367



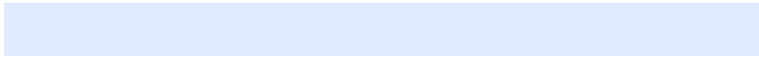
81.8583, 0.3177, 0.3503

Rectangle

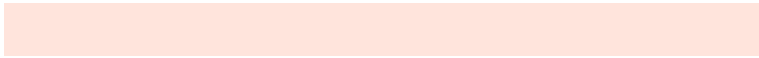
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.8583, 0.2884, 0.3205



81.8583, 0.2930, 0.3081



81.8583, 0.3377, 0.3367



81.8583, 0.3326, 0.3502

Sweetspot

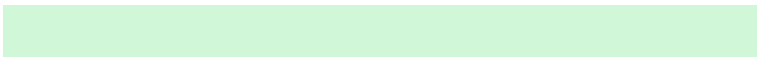
The Sweet Spot groups the original color and five complimentary colors.



81.8617, 0.2884, 0.3205



96.0120, 0.3049, 0.3264



84.8586, 0.3062, 0.3628



20.4337, 0.3039, 0.3261



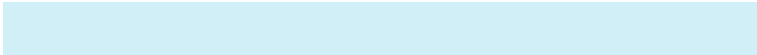
0.0000, 0.0000, 0.0000



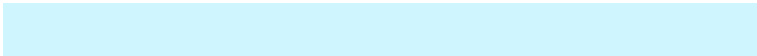
21.4041, 0.3127, 0.3290

Same Dimension

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



81.8617, 0.2884, 0.3205



85.7916, 0.2835, 0.3186



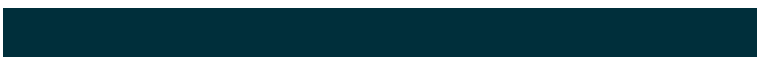
71.1394, 0.2875, 0.2995



18.1496, 0.2980, 0.3241



24.7780, 0.2061, 0.2620



2.3194, 0.2087, 0.2714

Inverse Universe

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



71.1052, 0.3201, 0.2976



72.2671, 0.3218, 0.2909



83.8969, 0.3383, 0.3569



16.7069, 0.3169, 0.3104



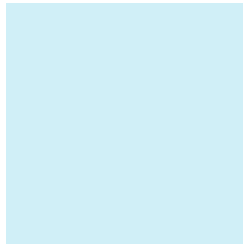
12.6007, 0.3804, 0.1869



1.1218, 0.3715, 0.1820

Previews

White Background



This preview shows how the Yxy color 81.8583, 0.2884, 0.3205 looks on a white background.

Color Contrast Check

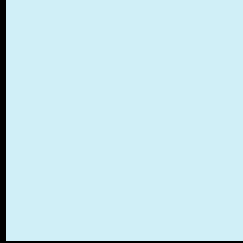
Large Text (above 18pt) WCAG AA × Fail

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 81.8583, 0.2884, 0.3205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

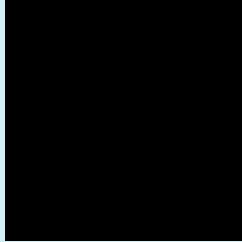
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

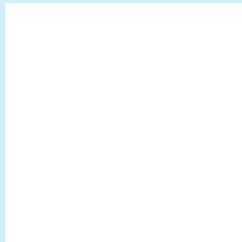
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.8583, 0.2884, 0.3205

Background



This preview shows how black text looks on a background with the Yxy color 81.8583, 0.2884, 0.3205.

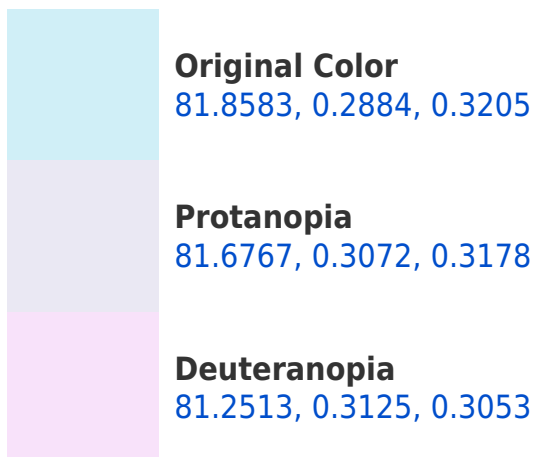


This preview shows how white text looks on a background with the Yxy color 81.8583, 0.2884, 0.3205.

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

81.6373, 0.2857, 0.3101

Trichromacy



Original Color

81.8583, 0.2884, 0.3205

Protanomaly

81.9559, 0.3007, 0.3197

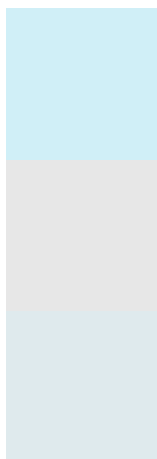
Deuteranomaly

81.3150, 0.3029, 0.3107

Tritanomaly

81.8790, 0.2868, 0.3142

Monochromacy



Original Color

81.8583, 0.2884, 0.3205

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.6480, 0.3036, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8583, 0.2884, 0.3205 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, 239, 247)` looks like.

```
.text, #text, p{  
    color:rgb(208, 239, 247)  
}
```

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, 239, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 239, 247) }
```

Border

The CSS property to change the border of an element to Yxy 81.8583, 0.2884, 0.3205 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, 239, 247) }
```

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

```
.border{ border-color:rgb(208, 239, 247) }
```

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

Here you see how a box with a 4 pixel rgb(208, 239, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 239, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 239, 247);  
box-shadow:4px 4px 4px 4px rgb(208, 239,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8583, 0.2884, 0.3205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 239, 247) }
```

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

```
.background{ background-color: rgb(208,  
239, 247) }
```

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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