

Converting Colors

$Yxy(84.1002, 0.2873, 0.3207)$

Have a look what the booklet for
Yxy(84.1002, 0.2873, 0.3207)
contains.

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Color

Yxy(83.9617, 0.2875, 0.3205)

Conversions

Conversions Part 1

Format	Color
Hex	D1F2FA
RGB	209, 242, 250
RGB Percent	82%, 95%, 98%
CMY	0.1801, 0.0510, 0.0195
CMYK	0.16, 0.03, 0.00, 0.02
HSL	192°, 80%, 90%
HSV	192°, 16%, 98%
XYZ	75.3167, 83.9617, 102.6926
YIQ	233.0450, -22.2360, -4.5080

Conversions

Conversions Part 2

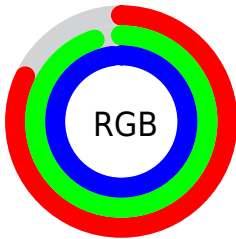
Format	Color
R _Y B	209, 227, 250
Decimal	13759226
CIE Lab	93.43, -9.01, -7.46
CIE LCh	93, 11.696, 219.609
Yxy	83.9617, 0.2875, 0.3205
Android (android.graphics.Color)	4291949306 (0xFFD1F2FA)
YUV	233.0450, 8.3588, -21.0875
Hunter-Lab	91.6306, -13.6338, -2.3063

Details

The Yxy color **83.9617, 0.2875, 0.3205** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.6071, 0.3427, 0.3373**, and the grayscale version is **81.4799, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.8829, 0.2816, 0.3181** is the 20% darker color. If you saturate the color by 10%, you get **77.7198, 0.2727, 0.3147**, and if you desaturate by 10%, it is **90.8611, 0.3028, 0.3258**.

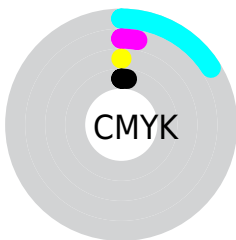
Distribution



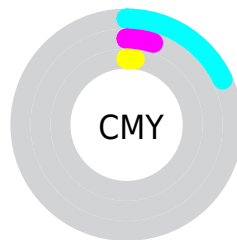
- Red (82%)
- Green (95%)
- Blue (98%)



- Red (82%)
- Yellow (89%)
- Blue (98%)



- Cyan (16%)
- Magenta (3%)
- Yellow (0%)
- Black (2%)



- Cyan (18%)
- Magenta (5%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.9617, 0.2875, 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 83.9617, 0.2875, 0.3205 by changing the saturation by 10% instead.

83.9617, 0.2875,
0.3205

83.9617, 0.2875,
0.3205

508.1860, 0.2988,
0.3245

62.9838, 0.2850,
0.3196

138.9216, 0.2913,
0.3219

45.8281, 0.2820,
0.3185

173.6724, 0.2929,
0.3224

32.1102, 0.2782,
0.3171

213.7830, 0.2942,
0.3229

21.4457, 0.2734,
0.3152

259.6377, 0.2953,
0.3233

13.4502, 0.2669,
0.3127

311.6210, 0.2963,
0.3236

7.7393, 0.2581,
0.3091

370.1172, 0.2972,

3.9286, 0.2450,

0.3239

0.3035

435.5108, 0.2981,
0.3242

1.6337, 0.2238,
0.2937

0.3801, 0.0970,
0.2610

83.9617, 0.2875,
0.3205

83.9617, 0.2875,
0.3205

77.7198, 0.2727,
0.3147

90.8611, 0.3028,
0.3258

72.0977, 0.2587,
0.3084

97.6535, 0.3158,
0.3307

67.0696, 0.2459,
0.3018

99.6833, 0.3156,
0.3338

62.6035, 0.2345,
0.2949

■ 58.6640, 0.2249,
0.2877

■ 55.2112, 0.2172,
0.2805

■ 52.1983, 0.2115,
0.2733

■ 49.5672, 0.2077,
0.2662

■ 48.6769, 0.2066,
0.2636

Harmonies

Analogous

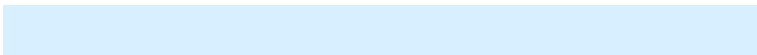
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9617, 0.2936, 0.3327



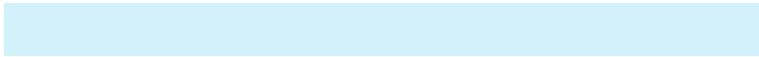
83.9617, 0.2875, 0.3205



83.9617, 0.2880, 0.3110

Triad

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



83.9617, 0.2875, 0.3205



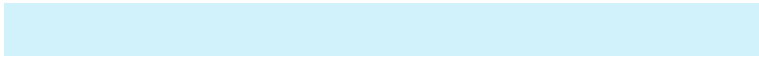
83.9617, 0.3203, 0.3145



83.9617, 0.3306, 0.3521

Complementary

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



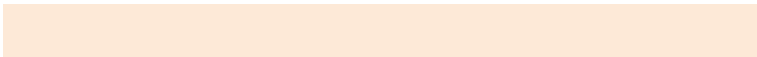
83.9617, 0.2875, 0.3205



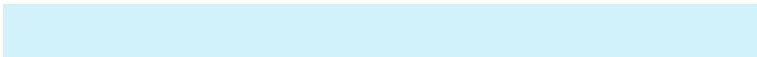
74.6071, 0.3427, 0.3373

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.



83.9617, 0.3380, 0.3466



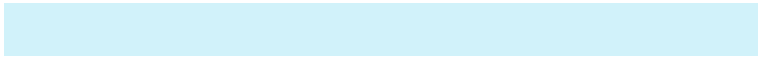
83.9617, 0.2875, 0.3205



83.9617, 0.3321, 0.3250

Square

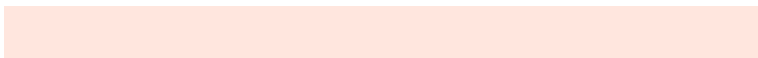
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.9617, 0.2875, 0.3205



83.9617, 0.3067, 0.3078



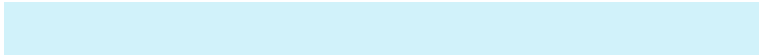
83.9617, 0.3386, 0.3366



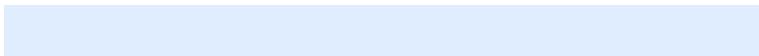
83.9617, 0.3183, 0.3513

Rectangle

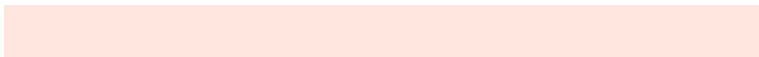
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.9617, 0.2875, 0.3205



83.9617, 0.2919, 0.3073



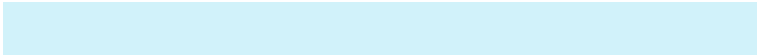
83.9617, 0.3386, 0.3366



83.9617, 0.3337, 0.3509

Sweetspot

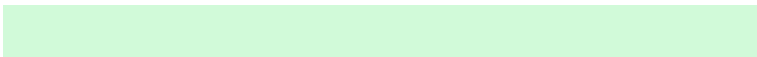
The Sweet Spot groups the original color and five complimentary colors.



83.9652, 0.2875, 0.3205



96.0770, 0.3049, 0.3265



86.9344, 0.3064, 0.3650



20.4495, 0.3039, 0.3262



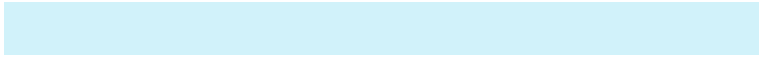
0.0000, 0.0000, 0.0000



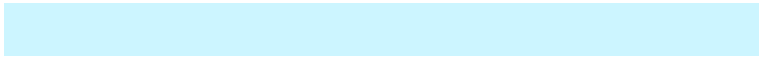
21.4041, 0.3127, 0.3290

Same Dimension

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



83.9652, 0.2875, 0.3205



85.3629, 0.2820, 0.3184



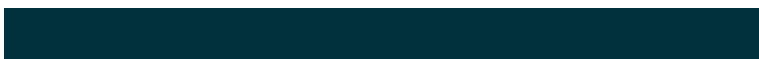
72.7272, 0.2865, 0.2990



18.9963, 0.2980, 0.3242



26.0217, 0.2069, 0.2648



2.5526, 0.2093, 0.2733

Inverse Universe

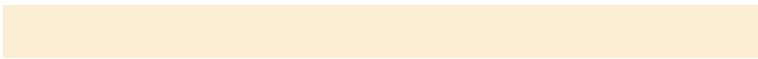
The Inverse Universe completely reimagines the original color for something new.



72.3691, 0.3202, 0.2960



71.0384, 0.3221, 0.2885



85.5306, 0.3394, 0.3573



17.4628, 0.3168, 0.3101



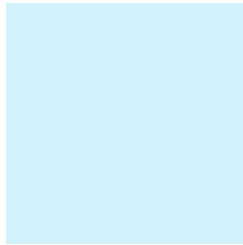
13.0378, 0.3778, 0.1855



1.2219, 0.3697, 0.1810

Previews

White Background



This preview shows how the Yxy color 83.9617, 0.2875, 0.3205 looks on a white background.

Color Contrast Check

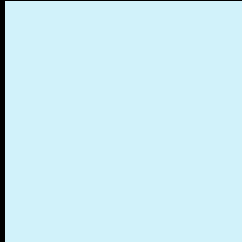
Large Text (above 18pt) WCAG AA × Fail

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 83.9617, 0.2875, 0.3205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

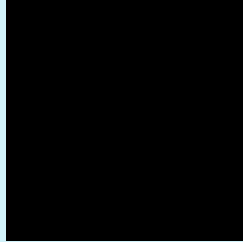
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.9617, 0.2875, 0.3205

Background



This preview shows how black text looks on a background with the Yxy color 83.9617, 0.2875, 0.3205.

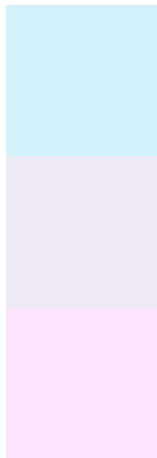


This preview shows how white text looks on a background with the Yxy color 83.9617, 0.2875, 0.3205.

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



Original Color

83.9617, 0.2875, 0.3205

Protanopia

83.4427, 0.3079, 0.3179

Deuteranopia

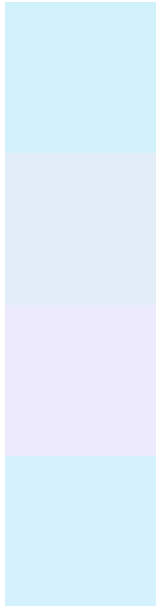
83.6397, 0.3125, 0.3055



Tritanopia

84.1391, 0.2888, 0.3134

Trichromacy



Original Color

83.9617, 0.2875, 0.3205

Protanomaly

83.6147, 0.3002, 0.3187

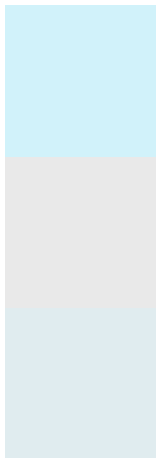
Deuteranomaly

83.7068, 0.3030, 0.3109

Tritanomaly

84.1486, 0.2882, 0.3165

Monochromacy



Original Color

83.9617, 0.2875, 0.3205

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.0702, 0.3030, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9617, 0.2875, 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(209, 242, 250)` looks like.

```
.text, #text, p{  
    color:rgb(209, 242, 250)  
}
```

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(209, 242, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 242, 250) }
```

Border

The CSS property to change the border of an element to Yxy 83.9617, 0.2875, 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(209, 242, 250) }
```

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

```
.border{ border-color:rgb(209, 242, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 242, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 242, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 242, 250);  
box-shadow:4px 4px 4px 4px rgb(209, 242,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 83.9617, 0.2875, 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(209, 242, 250) }
```

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

```
.background{ background-color: rgb(209,  
242, 250) }
```

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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