

Converting Colors

$Yxy(83.0608, 0.2885, 0.3198)$

Have a look what the booklet for
Yxy(83.0608, 0.2885, 0.3198)
contains.

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Color

Yxy(82.8614, 0.2885, 0.3195)

Conversions

Conversions Part 1

Format	Color
Hex	D2F0F9
RGB	210, 240, 249
RGB Percent	82%, 94%, 98%
CMY	0.1767, 0.0587, 0.0236
CMYK	0.16, 0.04, 0.00, 0.02
HSL	194°, 76%, 90%
HSV	194°, 16%, 98%
XYZ	74.8216, 82.8614, 101.6641
YIQ	232.0560, -20.7690, -3.5610

Conversions

Conversions Part 2

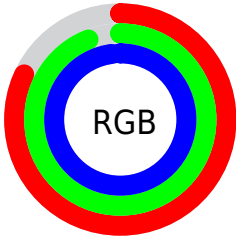
Format	Color
R _Y B	210, 227, 249
Decimal	13824249
CIE Lab	92.95, -7.96, -7.63
CIE LCh	93, 11.022, 223.789
Yxy	82.8614, 0.2885, 0.3195
Android (android.graphics.Color)	4292014329 (0xFFD2F0F9)
YUV	232.0560, 8.3534, -19.3431
Hunter-Lab	91.0282, -12.5794, -2.4977

Details

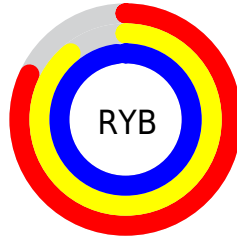
The Yxy color **82.8614, 0.2885, 0.3195** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.4000, 0.3410, 0.3383**, and the grayscale version is **80.6819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.0998, 0.2829, 0.3167** is the 20% darker color. If you saturate the color by 10%, you get **76.1778, 0.2735, 0.3127**, and if you desaturate by 10%, it is **90.2264, 0.3039, 0.3257**.

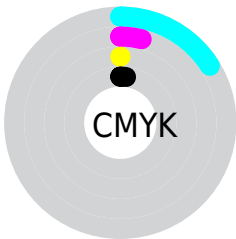
Distribution



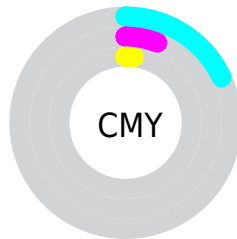
- Red (82%)
- Green (94%)
- Blue (98%)



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



- Cyan (16%)
- Magenta (4%)
- Yellow (0%)
- Black (2%)



- Cyan (18%)
- Magenta (6%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.8614, 0.2885, 0.3195 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 82.8614, 0.2885, 0.3195 by changing the saturation by 10% instead.

82.8614, 0.2885,
0.3195

82.8614, 0.2885,
0.3195

504.5245, 0.2994,
0.3239

62.0758, 0.2861,
0.3185

137.3813, 0.2922,
0.3210

45.0940, 0.2832,
0.3173

171.8845, 0.2937,
0.3216

31.5314, 0.2795,
0.3157

211.7289, 0.2949,
0.3221

21.0039, 0.2748,
0.3136

257.2990, 0.2960,
0.3226

13.1268, 0.2686,
0.3109

308.9793, 0.2970,
0.3230

7.5159, 0.2599,
0.3069

367.1540, 0.2979,

3.7868, 0.2471,

0.3233

0.3007

432.2076, 0.2987,
0.3236

■ 1.5550, 0.2262,
0.2900

■ 0.3270, 0.0875,
0.2453

■ 82.8614, 0.2885,
0.3195

■ 82.8614, 0.2885,
0.3195

■ 76.1778, 0.2735,
0.3127

■ 90.2264, 0.3039,
0.3257

■ 70.1381, 0.2592,
0.3054

■ 97.3794, 0.3164,
0.3314

■ 64.7166, 0.2459,
0.2976

■ 99.6190, 0.3162,
0.3347

■ 59.8813, 0.2340,
0.2894

■ 55.5973, 0.2238,
0.2809

■ 51.8249, 0.2155,
0.2724

■ 48.5179, 0.2091,
0.2638

■ 45.6197, 0.2047,
0.2553

■ 44.4594, 0.2032,
0.2517

Harmonies

Analogous

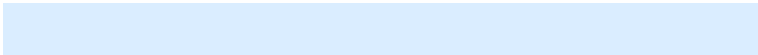
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.8614, 0.2935, 0.3309



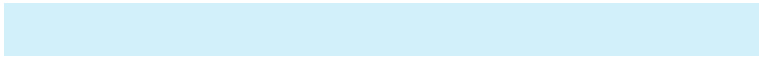
82.8614, 0.2885, 0.3195



82.8614, 0.2898, 0.3110

Triad

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



82.8614, 0.2885, 0.3195



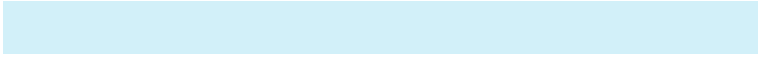
82.8614, 0.3216, 0.3165



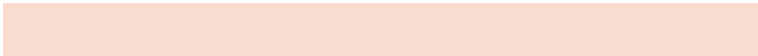
82.8614, 0.3282, 0.3512

Complementary

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



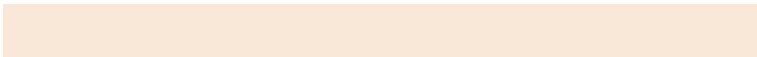
82.8614, 0.2885, 0.3195



75.4000, 0.3410, 0.3383

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.



82.8614, 0.3361, 0.3467



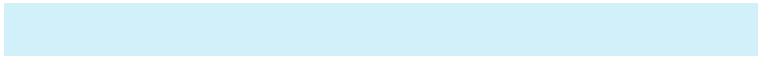
82.8614, 0.2885, 0.3195



82.8614, 0.3323, 0.3267

Square

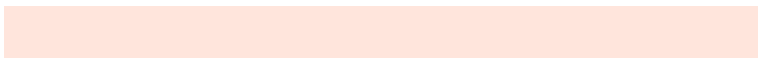
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



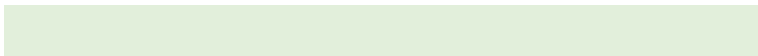
82.8614, 0.2885, 0.3195



82.8614, 0.3088, 0.3095



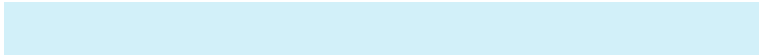
82.8614, 0.3376, 0.3377



82.8614, 0.3163, 0.3495

Rectangle

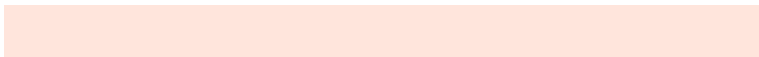
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



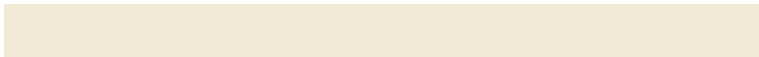
82.8614, 0.2885, 0.3195



82.8614, 0.2941, 0.3080



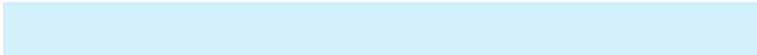
82.8614, 0.3376, 0.3377



82.8614, 0.3314, 0.3503

Sweetspot

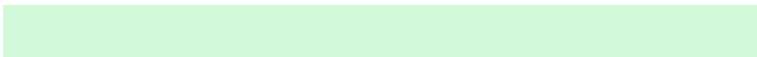
The Sweet Spot groups the original color and five complimentary colors.



82.8648, 0.2885, 0.3195



95.8079, 0.3050, 0.3261



86.5205, 0.3059, 0.3618



20.3839, 0.3039, 0.3257



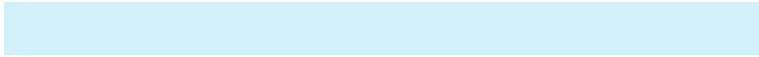
0.0000, 0.0000, 0.0000



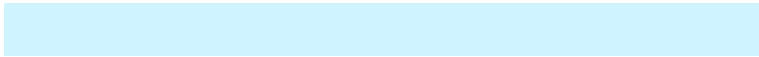
21.4041, 0.3127, 0.3290

Same Dimension

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



82.8648, 0.2885, 0.3195



85.0471, 0.2834, 0.3173



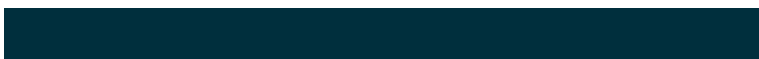
72.2442, 0.2877, 0.2990



18.8930, 0.2980, 0.3234



24.0260, 0.2036, 0.2530



2.3840, 0.2064, 0.2632

Inverse Universe

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



72.4916, 0.3207, 0.2987



72.1920, 0.3227, 0.2921



85.8933, 0.3380, 0.3574



17.4524, 0.3173, 0.3109



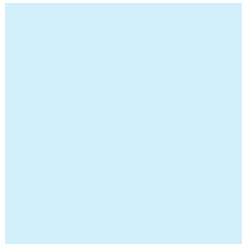
12.8363, 0.3892, 0.1918



1.2049, 0.3793, 0.1863

Previews

White Background



This preview shows how the Yxy color 82.8614, 0.2885, 0.3195 looks on a white background.

Color Contrast Check

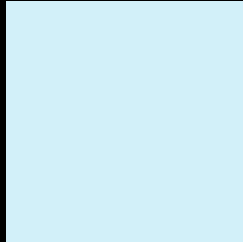
Large Text (above 18pt) WCAG AA × Fail

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 82.8614, 0.2885, 0.3195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

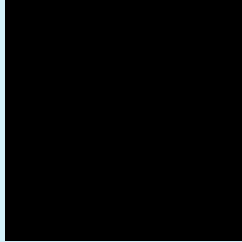
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

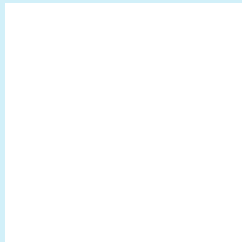
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.8614, 0.2885, 0.3195

Background



This preview shows how black text looks on a background with the Yxy color 82.8614, 0.2885, 0.3195.

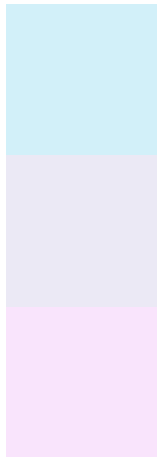


This preview shows how white text looks on a background with the Yxy color 82.8614, 0.2885, 0.3195.

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

82.8614, 0.2885, 0.3195

Protanopia

82.5326, 0.3066, 0.3168

Deuteranopia

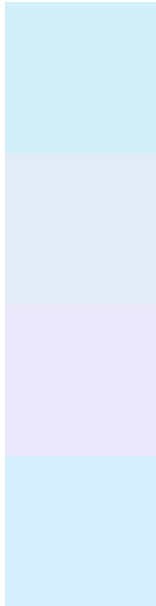
82.6548, 0.3118, 0.3054



Tritanopia

82.6652, 0.2875, 0.3113

Trichromacy



Original Color

82.8614, 0.2885, 0.3195

Protanomaly

82.8135, 0.3001, 0.3187

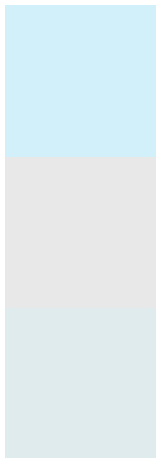
Deuteranomaly

82.3404, 0.3030, 0.3098

Tritanomaly

82.9710, 0.2881, 0.3144

Monochromacy



Original Color

82.8614, 0.2885, 0.3195

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.4370, 0.3036, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8614, 0.2885, 0.3195 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(210, 240, 249)` looks like.

```
.text, #text, p{  
    color:rgb(210, 240, 249)  
}
```

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(210, 240, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 240, 249) }
```

Border

The CSS property to change the border of an element to Yxy 82.8614, 0.2885, 0.3195 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(210, 240, 249) }
```

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

```
.border{ border-color:rgb(210, 240, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 240, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 240, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 240, 249);  
box-shadow:4px 4px 4px 4px rgb(210, 240,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8614, 0.2885, 0.3195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 240, 249) }
```

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

```
.background{ background-color: rgb(210,  
240, 249) }
```

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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