

Converting Colors

$Yxy(84.6902, 0.3024, 0.3427)$

Have a look what the booklet for
Yxy(84.6902, 0.3024, 0.3427)
contains.

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Color

Yxy(84.9180, 0.3019, 0.3427)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | D7F4E7 |
| RGB | 215, 244, 231 |
| RGB Percent | 84%, 96%, 91% |
| CMY | 0.1567, 0.0432, 0.0940 |
| CMYK | 0.12, 0.00, 0.05, 0.04 |
| HSL | 153°, 57%, 90% |
| HSV | 153°, 12%, 96% |
| XYZ | 74.8081, 84.9180, 88.0649 |
| YIQ | 233.8470, -13.1110, -10.1910 |

Conversions

Conversions Part 2

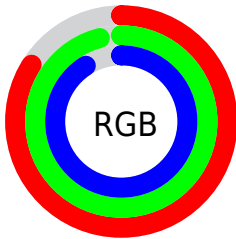
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 215, 234, 244 |
| Decimal | 14152935 |
| CIE Lab | 93.85, -11.84, 3.05 |
| CIE LCh | 94, 12.225, 165.550 |
| Yxy | 84.9180, 0.3019, 0.3427 |
| Android (android.graphics.Color) | 4292343015 (0xFFD7F4E7) |
| YUV | 233.8470, -1.4036, -16.5288 |
| Hunter-Lab | 92.1510, -16.3579, 7.8446 |

Details

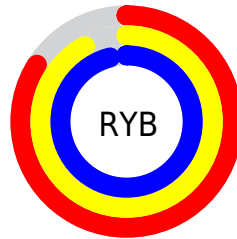
The Yxy color **84.9180, 0.3019, 0.3427** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.4520, 0.3250, 0.3157**, and the grayscale version is **82.1830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.5352, 0.2997, 0.3468** is the 20% darker color. If you saturate the color by 10%, you get **80.8999, 0.2931, 0.3557**, and if you desaturate by 10%, it is **89.5327, 0.3110, 0.3310**.

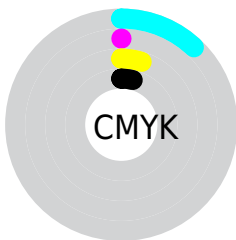
Distribution



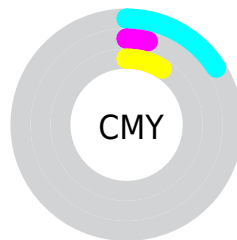
- Red (84%)
- Green (96%)
- Blue (91%)



- Red (84%)
- Yellow (92%)
- Blue (96%)



- Cyan (12%)
- Magenta (0%)
- Yellow (5%)
- Black (4%)





- Cyan (16%)
- Magenta (4%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.9180, 0.3019, 0.3427 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 84.9180, 0.3019, 0.3427 by changing the saturation by 10% instead.

 84.9180, 0.3019,
0.3427

 84.9180, 0.3019,
0.3427

511.3567, 0.3068,
0.3365

 63.7736, 0.3008,
0.3441


140.2586, 0.3036,
0.3406

 46.4674, 0.2995,
0.3458


175.2236, 0.3042,
0.3397

 32.6148, 0.2978,
0.3480


215.5643, 0.3048,
0.3390

 21.8315, 0.2956,
0.3508

261.6651, 0.3053,
0.3384

 13.7331, 0.2927,
0.3545

313.9103, 0.3058,
0.3378

 7.9353, 0.2886,
0.3599

372.6844, 0.3061,

 4.0536, 0.2823,

0.3373

0.3680

438.3717, 0.3065,
0.3369

■ 1.7036, 0.2718,
0.3820

■ 0.4260, 0.1462,
0.5376

■ 84.9180, 0.3019,
0.3427

■ 84.9180, 0.3019,
0.3427

■ 80.8999, 0.2931,
0.3557

■ 89.5327, 0.3110,
0.3310

■ 77.4426, 0.2850,
0.3700

■ 93.0429, 0.3145,
0.3205

■ 74.5229, 0.2777,
0.3854

■ 93.1786, 0.3132,
0.3185

■ 72.1118, 0.2717,
0.4020

■ 70.1772, 0.2673,
0.4193

■ 68.6836, 0.2647,
0.4370

■ 67.5898, 0.2642,
0.4547

■ 66.8468, 0.2658,
0.4720

■ 66.4396, 0.2682,
0.4855

Harmonies

Analogous

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



84.9180, 0.3158, 0.3513



84.9180, 0.3019, 0.3427



84.9180, 0.2911, 0.3303

Triad

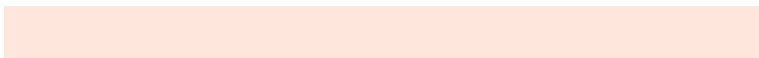
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.9180, 0.3019, 0.3427



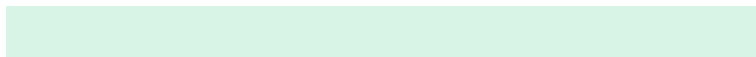
84.9180, 0.2963, 0.3053



84.9180, 0.3402, 0.3392

Complementary

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



84.9180, 0.3019, 0.3427



73.4520, 0.3250, 0.3157

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.



84.9180, 0.3348, 0.3272



84.9180, 0.3019, 0.3427



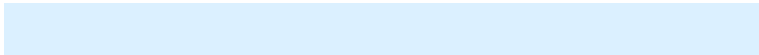
84.9180, 0.3092, 0.3080

Square

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



84.9180, 0.3019, 0.3427



84.9180, 0.2879, 0.3088



84.9180, 0.3233, 0.3159



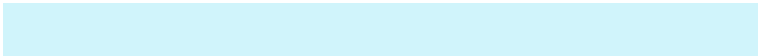
84.9180, 0.3381, 0.3489

Rectangle

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



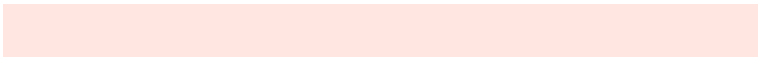
84.9180, 0.3019, 0.3427



84.9180, 0.2870, 0.3218



84.9180, 0.3233, 0.3159



84.9180, 0.3392, 0.3353

Sweetspot

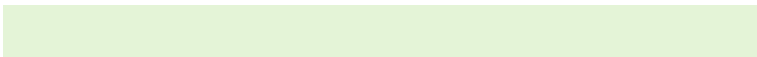
The Sweet Spot groups the original color and five complimentary colors.



84.9216, 0.3019, 0.3427



97.8257, 0.3090, 0.3334



86.1115, 0.3198, 0.3593



20.8538, 0.3083, 0.3343



0.0000, 0.0000, 0.0000



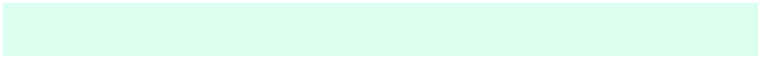
21.4041, 0.3127, 0.3290

Same Dimension

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



84.9216, 0.3019, 0.3427



92.8592, 0.3000, 0.3454



84.8141, 0.2945, 0.3274



18.6252, 0.3040, 0.3398



36.1557, 0.2675, 0.4829



3.1984, 0.2616, 0.4618

Inverse Universe

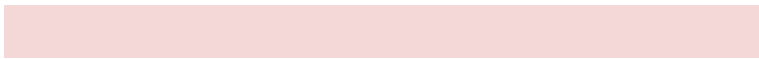
The Inverse Universe completely reimagines the original color for something new.



73.4520, 0.3250, 0.3157



78.0947, 0.3276, 0.3132



73.4992, 0.3340, 0.3306



16.6059, 0.3223, 0.3184



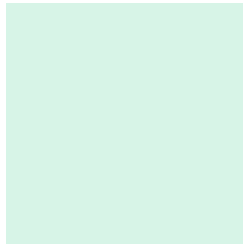
11.0883, 0.5181, 0.2628



0.9949, 0.4872, 0.2457

Previews

White Background



This preview shows how the Yxy color 84.9180, 0.3019, 0.3427 looks on a white background.

Color Contrast Check

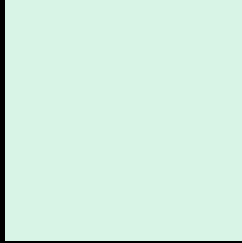
Large Text (above 18pt) WCAG AA × Fail

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 84.9180, 0.3019, 0.3427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

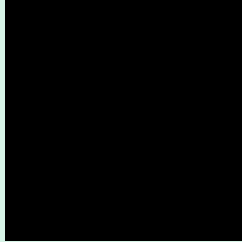
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

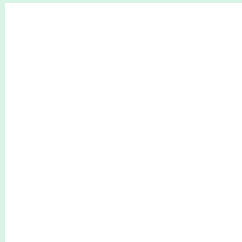
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.9180, 0.3019, 0.3427

Background



This preview shows how black text looks on a background with the Yxy color 84.9180, 0.3019, 0.3427.

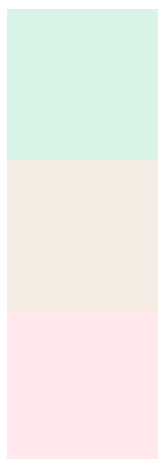


This preview shows how white text looks on a background with the Yxy color 84.9180, 0.3019, 0.3427.

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

84.9180, 0.3019, 0.3427

Protanopia

84.7701, 0.3238, 0.3381

Deuteranopia

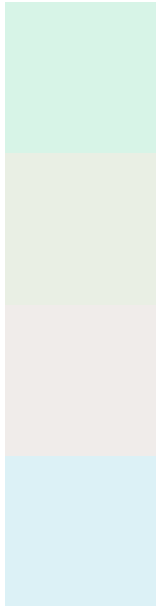
84.4100, 0.3266, 0.3251



Tritanopia

84.6410, 0.2931, 0.3126

Trichromacy



Original Color

84.9180, 0.3019, 0.3427

Protanomaly

84.6581, 0.3155, 0.3404

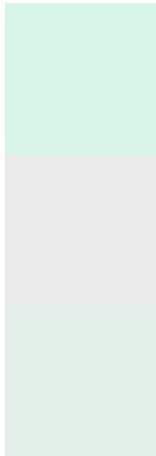
Deuteranomaly

84.4567, 0.3166, 0.3310

Tritanomaly

84.7801, 0.2964, 0.3238

Monochromacy



Original Color

84.9180, 0.3019, 0.3427

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

83.3632, 0.3085, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.9180, 0.3019, 0.3427 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(215, 244, 231)` looks like.

```
.text, #text, p{  
    color:rgb(215, 244, 231)  
}
```

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(215, 244, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 244, 231) }
```

Border

The CSS property to change the border of an element to Yxy 84.9180, 0.3019, 0.3427 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(215, 244, 231) }
```

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

```
.border{ border-color:rgb(215, 244, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 244, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 244, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 244, 231);  
box-shadow:4px 4px 4px 4px rgb(215, 244,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 84.9180, 0.3019, 0.3427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 244, 231) }
```

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

```
.background{ background-color: rgb(215,  
244, 231) }
```

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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