

Converting Colors

$Yxy(85.6713, 0.2975, 0.3509)$

Have a look what the booklet for
Yxy(85.6713, 0.2975, 0.3509)
contains.

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Color

Yxy(85.7154, 0.2974, 0.3505)

Conversions

Conversions Part 1

Format	Color
Hex	CDF8E4
RGB	205, 248, 228
RGB Percent	80%, 97%, 89%
CMY	0.1964, 0.0274, 0.1059
CMYK	0.17, 0.00, 0.08, 0.03
HSL	152°, 76%, 89%
HSV	152°, 17%, 97%
XYZ	72.7297, 85.7154, 86.1067
YIQ	232.8630, -19.2080, -15.3360

Conversions

Conversions Part 2

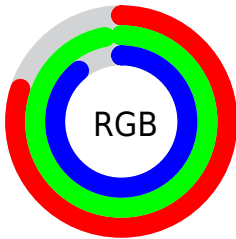
Format	Color
R _Y B	205, 233, 248
Decimal	13498596
CIE Lab	94.19, -17.63, 5.03
CIE LCh	94, 18.336, 164.068
Yxy	85.7154, 0.2974, 0.3505
Android (android.graphics.Color)	4291688676 (0xFFC8DF8E4)
YUV	232.8630, -2.3975, -24.4359
Hunter-Lab	92.5826, -21.7961, 9.6650

Details

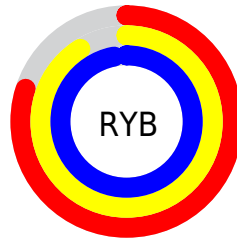
The Yxy color **85.7154, 0.2974, 0.3505** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.0168, 0.3313, 0.3085**, and the grayscale version is **81.3972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.2004, 0.2935, 0.3555** is the 20% darker color. If you saturate the color by 10%, you get **81.8499, 0.2891, 0.3648**, and if you desaturate by 10%, it is **90.1898, 0.3061, 0.3376**.

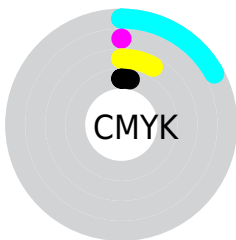
Distribution



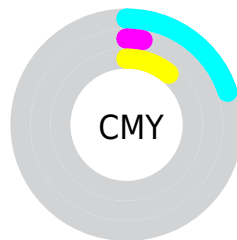
- Red (80%)
- Green (97%)
- Blue (89%)



- Red (80%)
- Yellow (91%)
- Blue (97%)



- Cyan (17%)
- Magenta (0%)
- Yellow (8%)
- Black (3%)





- Cyan (20%)
- Magenta (3%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.7154, 0.2974, 0.3505 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 85.7154, 0.2974, 0.3505 by changing the saturation by 10% instead.

 85.7154, 0.2974,
0.3505

 85.7154, 0.2974,
0.3505

513.9923, 0.3044,
0.3407

 64.4327, 0.2958,
0.3527


141.3723, 0.2998,
0.3471

 47.0012, 0.2939,
0.3554


176.5152, 0.3007,
0.3458

 33.0366, 0.2915,
0.3589


217.0470, 0.3015,
0.3447

 22.1545, 0.2884,
0.3633

263.3520, 0.3022,
0.3437

 13.9705, 0.2842,
0.3693

315.8146, 0.3029,
0.3428

 8.1001, 0.2783,
0.3779

374.8193, 0.3034,

 4.1591, 0.2694,

0.3420

0.3911

440.7504, 0.3039,
0.3413

■ 1.7629, 0.2541,
0.4138

■ 0.4639, 0.0168,
0.7391

■ 85.7154, 0.2974,
0.3505

■ 85.7154, 0.2974,
0.3505

■ 81.8499, 0.2891,
0.3648

■ 90.1898, 0.3061,
0.3376

■ 78.5553, 0.2816,
0.3803

■ 95.2876, 0.3151,
0.3261

■ 75.8060, 0.2752,
0.3971

■ 95.6305, 0.3130,
0.3223

■ 73.5701, 0.2702,
0.4148

■ 71.8123, 0.2669,
0.4331

■ 70.4925, 0.2656,
0.4516

■ 69.5636, 0.2663,
0.4697

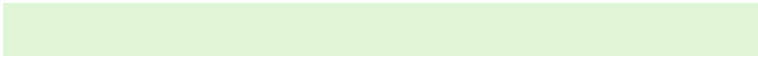
■ 68.9647, 0.2690,
0.4871

■ 68.8383, 0.2699,
0.4915

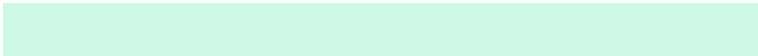
Harmonies

Analogous

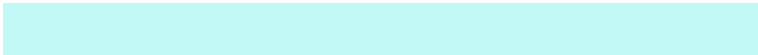
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.7154, 0.3181, 0.3632



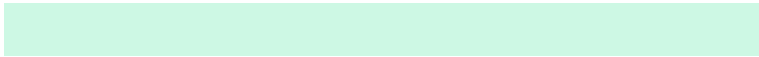
85.7154, 0.2974, 0.3505



85.7154, 0.2812, 0.3317

Triad

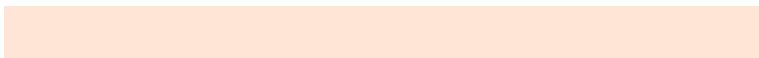
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.7154, 0.2974, 0.3505



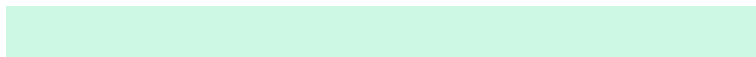
85.7154, 0.2874, 0.2940



85.7154, 0.3539, 0.3430

Complementary

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



85.7154, 0.2974, 0.3505



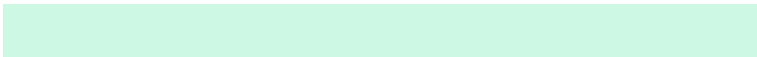
69.0168, 0.3313, 0.3085

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.



85.7154, 0.3451, 0.3252



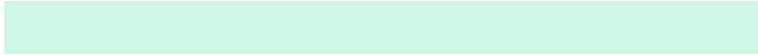
85.7154, 0.2974, 0.3505



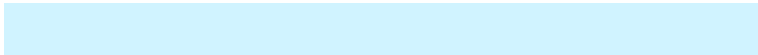
85.7154, 0.3062, 0.2976

Square

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



85.7154, 0.2974, 0.3505



85.7154, 0.2755, 0.2993



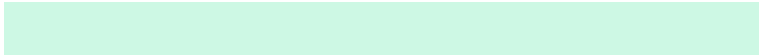
85.7154, 0.3275, 0.3088



85.7154, 0.3511, 0.3579

Rectangle

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



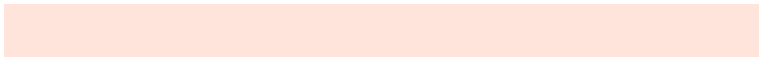
85.7154, 0.2974, 0.3505



85.7154, 0.2748, 0.3187



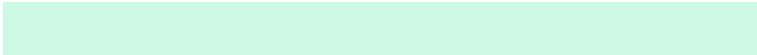
85.7154, 0.3275, 0.3088



85.7154, 0.3522, 0.3371

Sweetspot

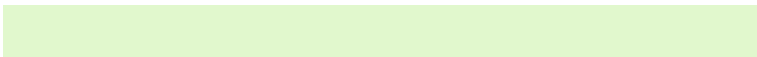
The Sweet Spot groups the original color and five complimentary colors.



85.7190, 0.2974, 0.3505



97.2858, 0.3082, 0.3348



87.5672, 0.3235, 0.3745



20.7444, 0.3076, 0.3356



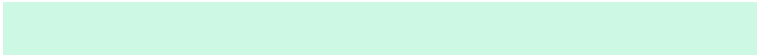
0.0000, 0.0000, 0.0000



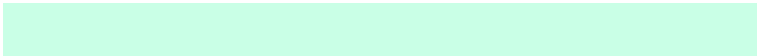
21.4041, 0.3127, 0.3290

Same Dimension

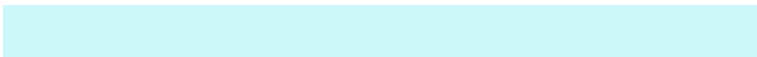
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.7190, 0.2974, 0.3505



89.7199, 0.2943, 0.3555



86.0163, 0.2864, 0.3274



19.4646, 0.3043, 0.3402



37.2064, 0.2691, 0.4888



3.4674, 0.2634, 0.4682

Inverse Universe

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



69.0168, 0.3313, 0.3085



68.7525, 0.3360, 0.3039



68.6776, 0.3460, 0.3306



17.3594, 0.3221, 0.3180



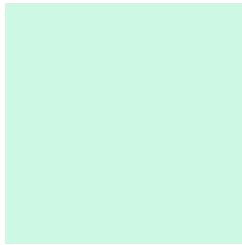
11.4796, 0.5113, 0.2590



1.0844, 0.4827, 0.2433

Previews

White Background



This preview shows how the Yxy color 85.7154, 0.2974, 0.3505 looks on a white background.

Color Contrast Check

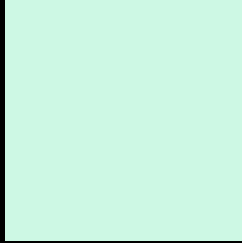
Large Text (above 18pt) WCAG AA × Fail

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 85.7154, 0.2974, 0.3505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

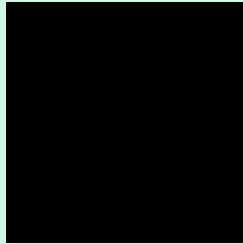
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

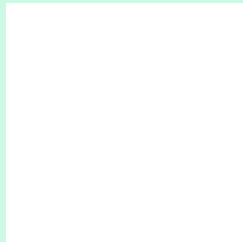
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.7154, 0.2974, 0.3505

Background



This preview shows how black text looks on a background with the Yxy color 85.7154, 0.2974, 0.3505.

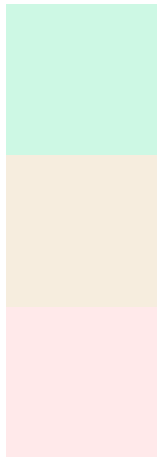


This preview shows how white text looks on a background with the Yxy color 85.7154, 0.2974, 0.3505.

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

85.7154, 0.2974, 0.3505

Protanopia

85.4351, 0.3282, 0.3442

Deuteranopia

85.4783, 0.3271, 0.3281



Tritanopia

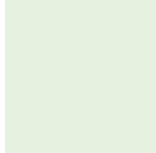
85.3462, 0.2913, 0.3146

Trichromacy



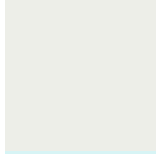
Original Color

85.7154, 0.2974, 0.3505



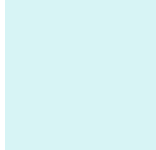
Protanomaly

85.2813, 0.3165, 0.3466



Deuteranomaly

84.9798, 0.3157, 0.3351



Tritanomaly

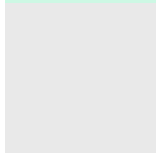
85.7410, 0.2939, 0.3279

Monochromacy



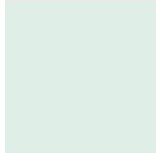
Original Color

85.7154, 0.2974, 0.3505



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

82.6066, 0.3071, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.7154, 0.2974, 0.3505 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(205, 248, 228)` looks like.

```
.text, #text, p{  
    color:rgb(205, 248, 228)  
}
```

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(205, 248, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 248, 228) }
```

Border

The CSS property to change the border of an element to Yxy 85.7154, 0.2974, 0.3505 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(205, 248, 228) }
```

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

```
.border{ border-color:rgb(205, 248, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 248, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 248, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 248, 228);  
box-shadow:4px 4px 4px 4px rgb(205, 248,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 85.7154, 0.2974, 0.3505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 248, 228) }
```

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

```
.background{ background-color: rgb(205,  
248, 228) }
```

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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