

Converting Colors

$Yxy(87.6454, 0.3007, 0.3550)$

Have a look what the booklet for
Yxy(87.6454, 0.3007, 0.3550)
contains.

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Color

Yxy(87.4175, 0.3010, 0.3546)

Conversions

Conversions Part 1

Format	Color
Hex	D1FAE2
RGB	209, 250, 226
RGB Percent	82%, 98%, 89%
CMY	0.1804, 0.0196, 0.1138
CMYK	0.16, 0.00, 0.10, 0.02
HSL	145°, 80%, 90%
HSV	145°, 16%, 98%
XYZ	74.2038, 87.4175, 84.9030
YIQ	235.0050, -16.7320, -16.1560

Conversions

Conversions Part 2

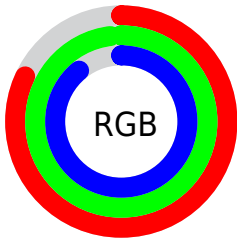
Format	Color
R _Y B	209, 238, 250
Decimal	13761250
CIE Lab	94.92, -17.69, 7.15
CIE LCh	95, 19.075, 157.992
Yxy	87.4175, 0.3010, 0.3546
Android (android.graphics.Color)	4291951330 (0xFFD1FAE2)
YUV	235.0050, -4.4395, -22.8064
Hunter-Lab	93.4973, -21.9545, 11.6081

Details

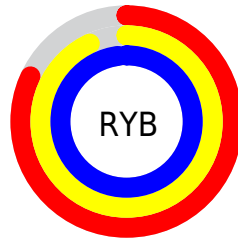
The Yxy color **87.4175, 0.3010, 0.3546** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.8065, 0.3265, 0.3047**, and the grayscale version is **83.1261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.9502, 0.2980, 0.3595** is the 20% darker color. If you saturate the color by 10%, you get **83.2865, 0.2942, 0.3726**, and if you desaturate by 10%, it is **92.1967, 0.3081, 0.3384**.

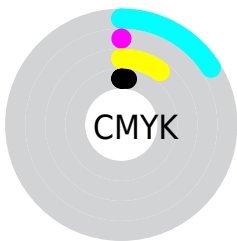
Distribution



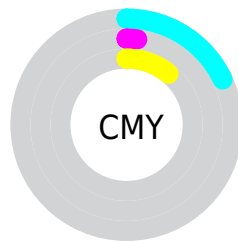
- Red (82%)
- Green (98%)
- Blue (89%)



- Red (82%)
- Yellow (93%)
- Blue (98%)



- Cyan (16%)
- Magenta (0%)
- Yellow (10%)
- Black (2%)





- Cyan (18%)
- Magenta (2%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.4175, 0.3010, 0.3546 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 87.4175, 0.3010, 0.3546 by changing the saturation by 10% instead.


 87.4175, 0.3010,
0.3546

 87.4175, 0.3010,
0.3546

519.5938, 0.3064,
0.3429

 65.8408, 0.2998,
0.3572

143.7459, 0.3028,
0.3506

 48.1431, 0.2983,
0.3605


179.2664, 0.3036,
0.3490

 33.9403, 0.2964,
0.3646


220.2036, 0.3042,
0.3476

 22.8477, 0.2940,
0.3699

266.9418, 0.3047,
0.3464

 14.4811, 0.2907,
0.3770

319.8656, 0.3052,
0.3454

 8.4560, 0.2860,
0.3872

379.3593, 0.3056,

 4.3881, 0.2789,

0.3445

0.4028

445.8072, 0.3060,
0.3437

■ 1.8930, 0.2665,
0.4298

■ 0.5441, 0.1183,
0.7533

■ 87.4175, 0.3010,
0.3546

■ 87.4175, 0.3010,
0.3546

■ 83.2865, 0.2942,
0.3726

■ 92.1967, 0.3081,
0.3384

■ 79.7643, 0.2880,
0.3924

■ 96.8568, 0.3129,
0.3242

■ 76.8241, 0.2826,
0.4138

■ 74.4328, 0.2785,
0.4364

■ 72.5536, 0.2760,
0.4596

■ 71.1451, 0.2753,
0.4826

■ 70.1591, 0.2766,
0.5046

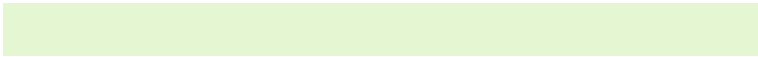
■ 69.5357, 0.2797,
0.5249

■ 69.3679, 0.2810,
0.5316

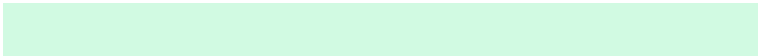
Harmonies

Analogous

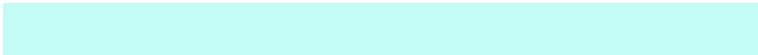
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4175, 0.3227, 0.3658



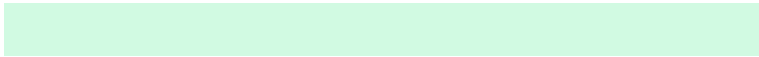
87.4175, 0.3010, 0.3546



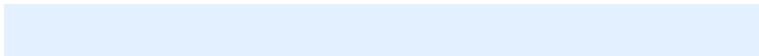
87.4175, 0.2829, 0.3359

Triad

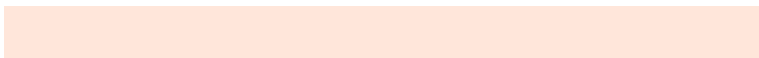
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.4175, 0.3010, 0.3546



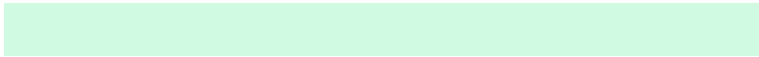
87.4175, 0.2833, 0.2932



87.4175, 0.3544, 0.3398

Complementary

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



87.4175, 0.3010, 0.3546



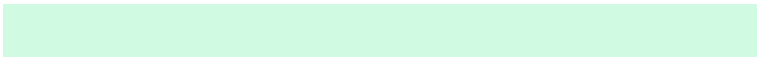
71.8065, 0.3265, 0.3047

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.



87.4175, 0.3431, 0.3214



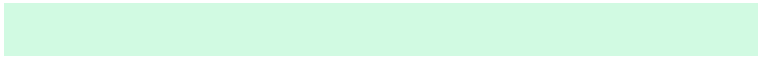
87.4175, 0.3010, 0.3546



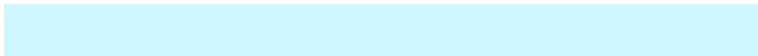
87.4175, 0.3017, 0.2951

Square

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



87.4175, 0.3010, 0.3546



87.4175, 0.2730, 0.3005



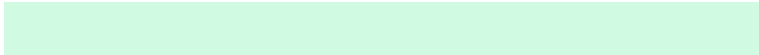
87.4175, 0.3236, 0.3053



87.4175, 0.3540, 0.3562

Rectangle

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



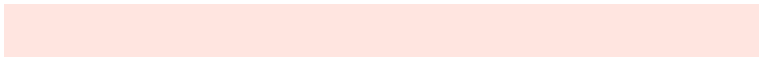
87.4175, 0.3010, 0.3546



87.4175, 0.2751, 0.3223



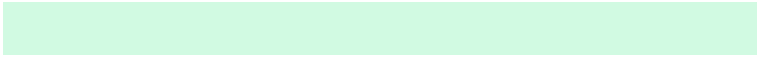
87.4175, 0.3236, 0.3053



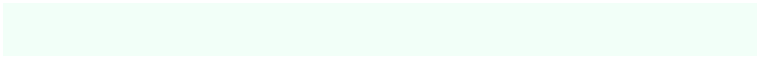
87.4175, 0.3518, 0.3336

Sweetspot

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



87.4212, 0.3010, 0.3546



97.1899, 0.3091, 0.3363



90.4050, 0.3265, 0.3713



20.7211, 0.3086, 0.3374



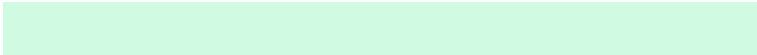
0.0000, 0.0000, 0.0000



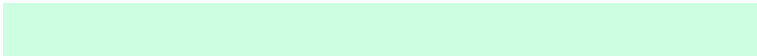
21.4041, 0.3127, 0.3290

Same Dimension

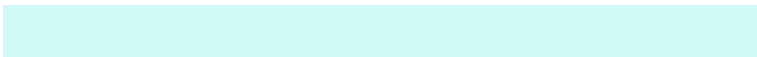
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.4212, 0.3010, 0.3546



89.8008, 0.2985, 0.3609



88.5790, 0.2900, 0.3332



19.4285, 0.3059, 0.3432



36.8190, 0.2802, 0.5286



3.4306, 0.2736, 0.5050

Inverse Universe

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



71.8065, 0.3265, 0.3047



70.3787, 0.3301, 0.2991



70.7314, 0.3410, 0.3249



17.3958, 0.3202, 0.3152



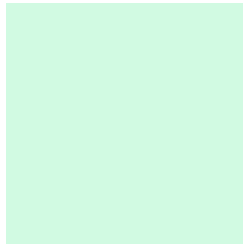
11.9175, 0.4602, 0.2309



1.1249, 0.4389, 0.2192

Previews

White Background



This preview shows how the Yxy color 87.4175, 0.3010, 0.3546 looks on a white background.

Color Contrast Check

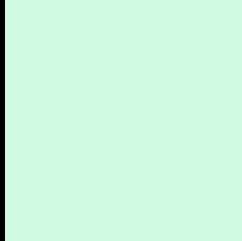
Large Text (above 18pt) WCAG AA × Fail

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 87.4175, 0.3010, 0.3546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

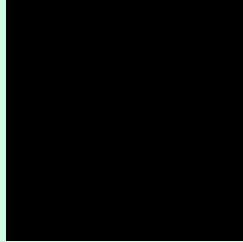
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

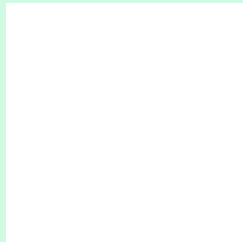
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.4175, 0.3010, 0.3546

Background



This preview shows how black text looks on a background with the Yxy color 87.4175, 0.3010, 0.3546.

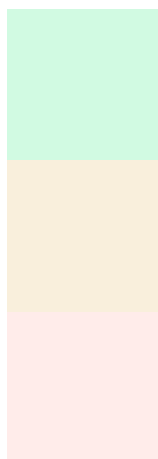


This preview shows how white text looks on a background with the Yxy color 87.4175, 0.3010, 0.3546.

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

87.4175, 0.3010, 0.3546

Protanopia

87.0400, 0.3314, 0.3481

Deuteranopia

87.1914, 0.3268, 0.3310



Tritanopia

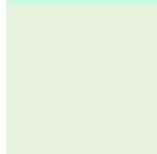
87.3287, 0.2944, 0.3168

Trichromacy



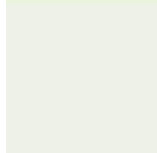
Original Color

87.4175, 0.3010, 0.3546



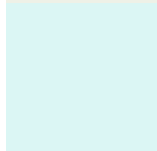
Protanomaly

86.8675, 0.3196, 0.3506



Deuteranomaly

86.8573, 0.3168, 0.3392



Tritanomaly

87.5033, 0.2970, 0.3310

Monochromacy



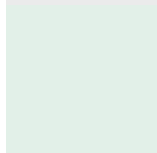
Original Color

87.4175, 0.3010, 0.3546



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.3151, 0.3084, 0.3373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4175, 0.3010, 0.3546 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, 250, 226)` looks like.

```
.text, #text, p{  
    color:rgb(209, 250, 226)  
}
```

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, 250, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 250, 226) }
```

Border

The CSS property to change the border of an element to Yxy 87.4175, 0.3010, 0.3546 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, 250, 226) }
```

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

```
.border{ border-color:rgb(209, 250, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 250, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 250, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 250, 226);  
box-shadow:4px 4px 4px 4px rgb(209, 250,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4175, 0.3010, 0.3546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 250, 226) }
```

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

```
.background{ background-color: rgb(209,  
250, 226) }
```

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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