

Converting Colors

$Yxy(87.5071, 0.2997, 0.3518)$

Have a look what the booklet for
Yxy(87.5071, 0.2997, 0.3518)
contains.

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Color

Yxy(87.5280, 0.2999, 0.3524)

Conversions

Conversions Part 1

Format	Color
Hex	D1FAE4
RGB	209, 250, 228
RGB Percent	82%, 98%, 89%
CMY	0.1803, 0.0196, 0.1059
CMYK	0.16, 0.00, 0.09, 0.02
HSL	148°, 80%, 90%
HSV	148°, 16%, 98%
XYZ	74.4882, 87.5280, 86.3606
YIQ	235.2330, -17.3740, -15.5340

Conversions

Conversions Part 2

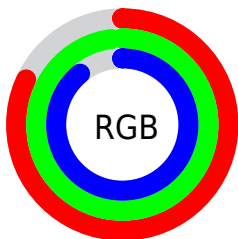
Format	Color
RYP	209, 237, 250
Decimal	13761252
CIELab	94.96, -17.30, 6.18
CIElCh	95, 18.370, 160.337
Yxy	87.5280, 0.2999, 0.3524
Android (android.graphics.Color)	4291951332 (0xFFD1FAE4)
YUV	235.2330, -3.5659, -23.0063
Hunter-Lab	93.5564, -21.6047, 10.7597

Details

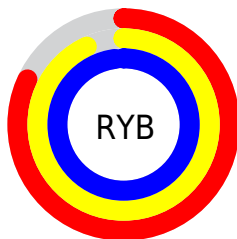
The Yxy color **87.5280, 0.2999, 0.3524** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.7103, 0.3279, 0.3067**, and the grayscale version is **83.3075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.0271, 0.2966, 0.3566** is the 20% darker color. If you saturate the color by 10%, you get **83.4490, 0.2925, 0.3689**, and if you desaturate by 10%, it is **92.2445, 0.3077, 0.3376**.

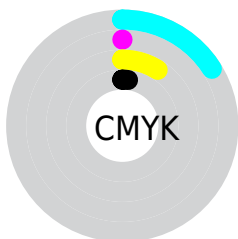
Distribution



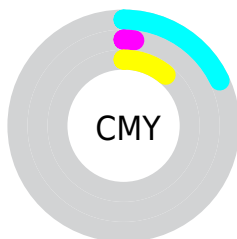
- Red (82%)
- Green (98%)
- Blue (89%)



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



- Cyan (16%)
- Magenta (0%)
- Yellow (9%)
- Black (2%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.5280, 0.2999, 0.3524 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 87.5280, 0.2999, 0.3524 by changing the saturation by 10% instead.

87.5280, 0.2999,
0.3524

87.5280, 0.2999,
0.3524

519.9563, 0.3057,
0.3417

65.9322, 0.2986,
0.3548

143.8999, 0.3019,
0.3487

48.2174, 0.2970,
0.3578

179.4447, 0.3027,
0.3473

33.9991, 0.2950,
0.3615

220.4081, 0.3034,
0.3461

22.8929, 0.2923,
0.3663

267.1744, 0.3040,
0.3450

14.5144, 0.2888,
0.3728

320.1280, 0.3045,
0.3440

8.4793, 0.2839,
0.3820


379.6532, 0.3049,


4.4032, 0.2763,


0.3432


0.3961


446.1345, 0.3054,
0.3424


 1.9015, 0.2634,
0.4203


 0.5493, 0.1224,
0.6740


 87.5280, 0.2999,
0.3524


 87.5280, 0.2999,
0.3524


 83.4490, 0.2925,
0.3689


 92.2445, 0.3077,
0.3376

 79.9685, 0.2857,
0.3869

 96.8415, 0.3130,
0.3244

 77.0601, 0.2799,
0.4064

 96.8512, 0.3129,
0.3242

 74.6911, 0.2753,
0.4270

■ 72.8253, 0.2725,
0.4483

■ 71.4218, 0.2715,
0.4696

■ 70.4328, 0.2725,
0.4903

■ 69.7993, 0.2754,
0.5096

■ 69.6256, 0.2768,
0.5163

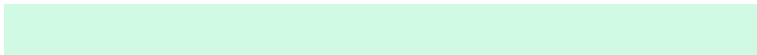
Harmonies

Analogous

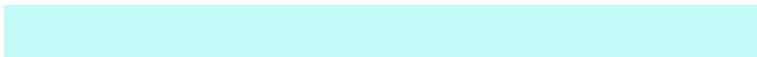
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5280, 0.3207, 0.3639



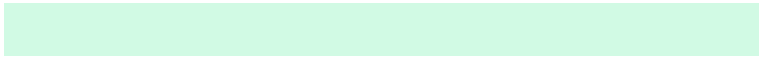
87.5280, 0.2999, 0.3524



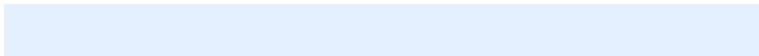
87.5280, 0.2829, 0.3341

Triad

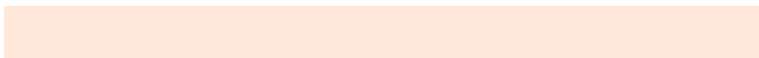
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.5280, 0.2999, 0.3524



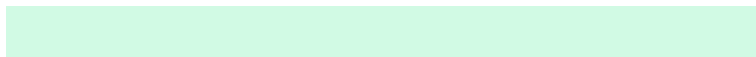
87.5280, 0.2856, 0.2943



87.5280, 0.3532, 0.3408

Complementary

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



87.5280, 0.2999, 0.3524



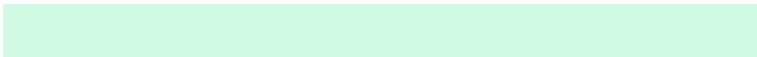
71.7103, 0.3279, 0.3067

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.



87.5280, 0.3431, 0.3230



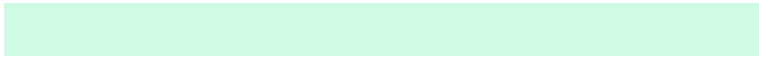
87.5280, 0.2999, 0.3524



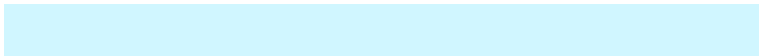
87.5280, 0.3037, 0.2968

Square

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



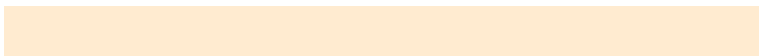
87.5280, 0.2999, 0.3524



87.5280, 0.2748, 0.3007



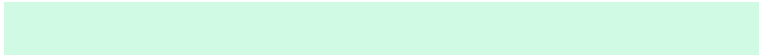
87.5280, 0.3248, 0.3072



87.5280, 0.3519, 0.3562

Rectangle

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



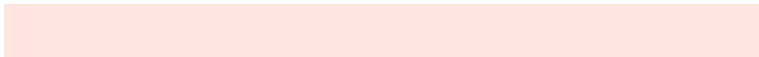
87.5280, 0.2999, 0.3524



87.5280, 0.2759, 0.3211



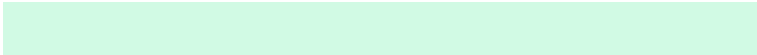
87.5280, 0.3248, 0.3072



87.5280, 0.3510, 0.3349

Sweetspot

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



87.5317, 0.2999, 0.3524



97.2282, 0.3088, 0.3357



90.0588, 0.3251, 0.3714



20.7304, 0.3082, 0.3367



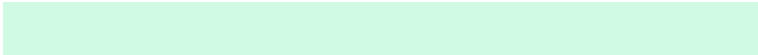
0.0000, 0.0000, 0.0000



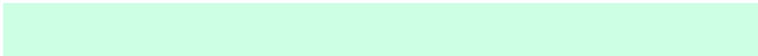
21.4041, 0.3127, 0.3290

Same Dimension

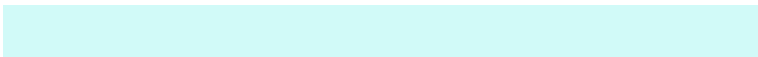
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.5317, 0.2999, 0.3524



89.9369, 0.2972, 0.3582



88.7050, 0.2890, 0.3311



19.4429, 0.3052, 0.3420



36.9600, 0.2759, 0.5133



3.4443, 0.2696, 0.4905

Inverse Universe

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



71.7103, 0.3279, 0.3067



70.2375, 0.3319, 0.3015



70.6458, 0.3425, 0.3270



17.3811, 0.3209, 0.3163



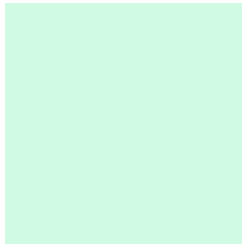
11.7271, 0.4805, 0.2421



1.1076, 0.4561, 0.2286

Previews

White Background



This preview shows how the Yxy color 87.5280, 0.2999, 0.3524 looks on a white background.

Color Contrast Check

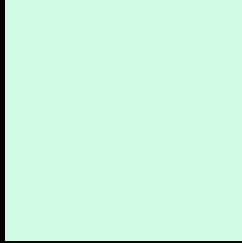
Large Text (above 18pt) WCAG AA × Fail

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 87.5280, 0.2999, 0.3524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

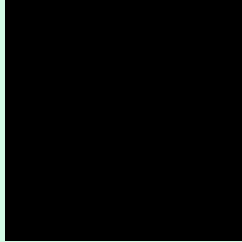
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

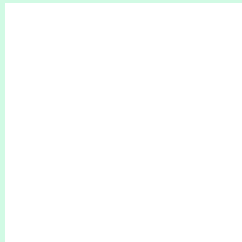
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.5280, 0.2999, 0.3524

Background



This preview shows how black text looks on a background with the Yxy color 87.5280, 0.2999, 0.3524.

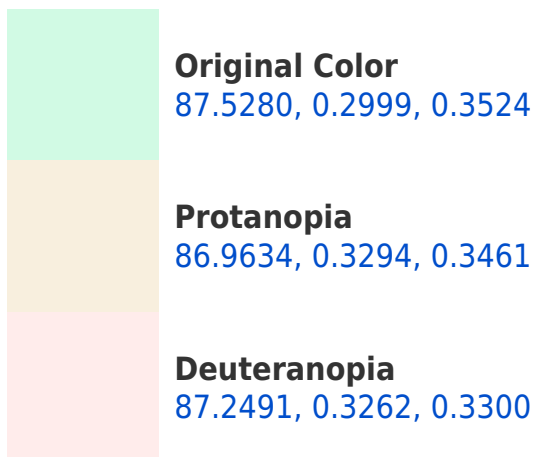


This preview shows how white text looks on a background with the Yxy color 87.5280, 0.2999, 0.3524.

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

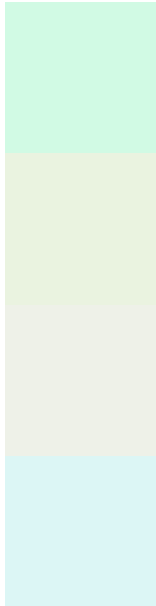




Tritanopia

87.4899, 0.2950, 0.3168

Trichromacy



Original Color

87.5280, 0.2999, 0.3524

Protanomaly

86.9754, 0.3183, 0.3486

Deuteranomaly

86.9139, 0.3162, 0.3381

Tritanomaly

87.7198, 0.2970, 0.3300

Monochromacy



Original Color

87.5280, 0.2999, 0.3524

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 87.5280, 0.2999, 0.3524 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(209, 250, 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(209, 250, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 250, 228) }
```

Border

The CSS property to change the border of an element to Yxy 87.5280, 0.2999, 0.3524 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, 228) }
```

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

```
.border{ border-color:rgb(209, 250, 228) }
```

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, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(209, 250, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(209, 250, 228); box-shadow:4px 4px 4px 4px rgb(209, 250, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 87.5280, 0.2999, 0.3524 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, 228) }
```

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

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