

Converting Colors

$Yxy(86.9215, 0.3021, 0.3750)$

Have a look what the booklet for
Yxy(86.9215, 0.3021, 0.3750)
contains.

Yxy(86.8240, 0.3021, 0.3752)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(86.8240, 0.3021, 0.3752)

Conversions

Conversions Part 1

Format	Color
Hex	C5FDD3
RGB	197, 253, 211
RGB Percent	77%, 99%, 83%
CMY	0.2274, 0.0078, 0.1727
CMYK	0.22, 0.00, 0.17, 0.01
HSL	135°, 93%, 88%
HSV	135°, 22%, 99%
XYZ	69.9081, 86.8240, 74.6751
YIQ	231.4680, -19.8940, -24.9340

Conversions

Conversions Part 2

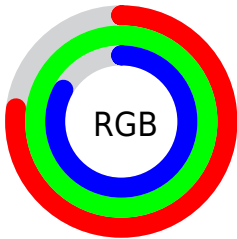
Format	Color
RYB	197, 242, 253
Decimal	12975571
CIELab	94.66, -25.66, 14.42
CIElCh	95, 29.439, 150.659
Yxy	86.8240, 0.3021, 0.3752
Android (android.graphics.Color)	4291165651 (0xFFC5FDD3)
YUV	231.4680, -10.0907, -30.2284
Hunter-Lab	93.1794, -29.1438, 17.7098

Details

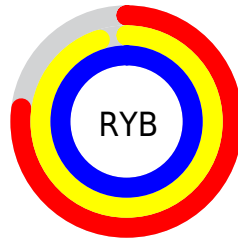
The Yxy color **86.8240, 0.3021, 0.3752** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.0599, 0.3254, 0.2869**, and the grayscale version is **80.3682, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8108, 0.3121, 0.3290**, and **47.6309, 0.2994, 0.3865** is the 20% darker color. If you saturate the color by 10%, you get **82.7965, 0.2976, 0.4000**, and if you desaturate by 10%, it is **91.5446, 0.3069, 0.3528**.

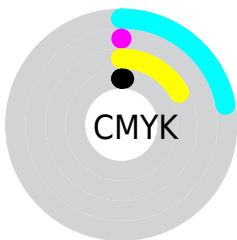
Distribution



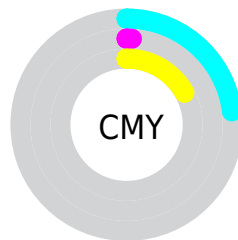
- Red (77%)
- Green (99%)
- Blue (83%)



- Red (77%)
- Yellow (95%)
- Blue (99%)



- Cyan (22%)
- Magenta (0%)
- Yellow (17%)
- Black (1%)





- Cyan (23%)
- Magenta (1%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.8240, 0.3021, 0.3752 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 86.8240, 0.3021, 0.3752 by changing the saturation by 10% instead.

 86.8240, 0.3021,
0.3752

 86.8240, 0.3021,
0.3752

517.6444, 0.3072,
0.3538

 65.3496, 0.3009,
0.3801

142.9188, 0.3039,
0.3678

 47.7446, 0.2994,
0.3862


178.3080, 0.3046,
0.3649

 33.6247, 0.2974,
0.3938


219.1041, 0.3052,
0.3624

 22.6054, 0.2948,
0.4039

265.6918, 0.3057,
0.3602

 14.3024, 0.2911,
0.4176

318.4552, 0.3062,
0.3583

 8.3313, 0.2856,
0.4373

377.7788, 0.3065,

 4.3077, 0.2767,

0.3566

0.4680

444.0471, 0.3069,
0.3551

■ 1.8471, 0.2606,
0.5240

■ 0.5163, 0.0000,
1.0000

■ 86.8240, 0.3021,
0.3752

■ 86.8240, 0.3021,
0.3752

■ 82.7965, 0.2976,
0.4000

■ 91.5446, 0.3069,
0.3528

■ 79.4186, 0.2935,
0.4270

■ 96.9777, 0.3117,
0.3329

■ 76.6589, 0.2903,
0.4555

■ 98.7337, 0.3128,
0.3271

■ 74.4788, 0.2882,
0.4845

■ 72.8352, 0.2874,
0.5126

■ 71.6789, 0.2882,
0.5383

■ 70.9511, 0.2904,
0.5600

■ 70.6127, 0.2927,
0.5738

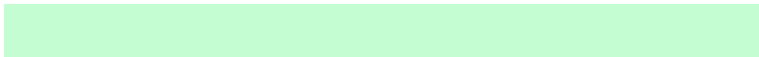
Harmonies

Analogous

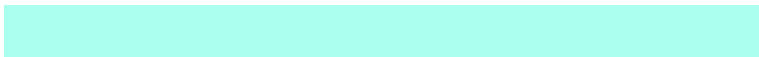
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8240, 0.3355, 0.3885



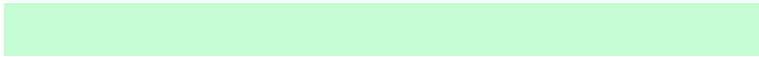
86.8240, 0.3021, 0.3752



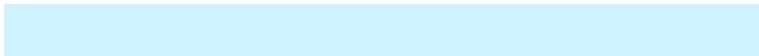
86.8240, 0.2726, 0.3472

Triad

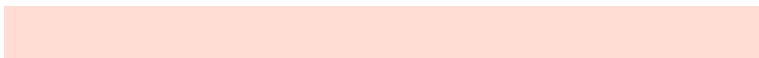
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.8240, 0.3021, 0.3752



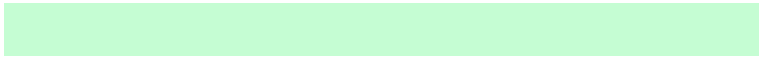
86.8240, 0.2626, 0.2757



86.8240, 0.3748, 0.3377

Complementary

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



86.8240, 0.3021, 0.3752



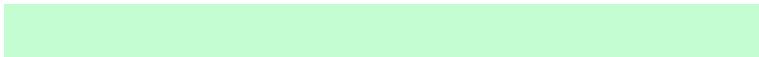
67.0599, 0.3254, 0.2869

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.



86.8240, 0.3532, 0.3105



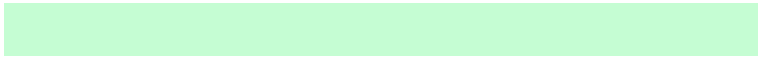
86.8240, 0.3021, 0.3752



86.8240, 0.2877, 0.2758

Square

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



86.8240, 0.3021, 0.3752



86.8240, 0.2508, 0.2893



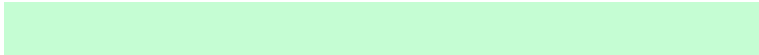
86.8240, 0.3208, 0.2884



86.8240, 0.3786, 0.3643

Rectangle

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



86.8240, 0.3021, 0.3752



86.8240, 0.2589, 0.3256



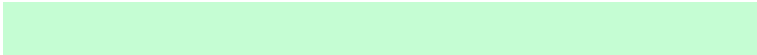
86.8240, 0.3208, 0.2884



86.8240, 0.3694, 0.3284

Sweetspot

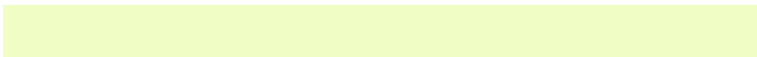
The Sweet Spot groups the original color and five complimentary colors.



86.8277, 0.3021, 0.3752



95.9369, 0.3093, 0.3423



92.8008, 0.3375, 0.3860



20.4631, 0.3091, 0.3435



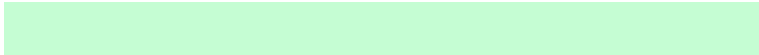
0.0000, 0.0000, 0.0000



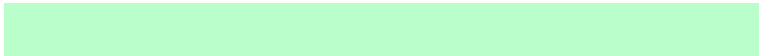
21.4041, 0.3127, 0.3290

Same Dimension

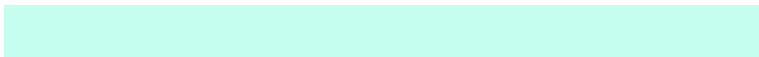
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8277, 0.3021, 0.3752



86.3038, 0.2998, 0.3870



88.3039, 0.2875, 0.3449



20.2424, 0.3081, 0.3474



37.5811, 0.2920, 0.5712



3.6757, 0.2861, 0.5501

Inverse Universe

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



67.0599, 0.3254, 0.2869



62.6055, 0.3288, 0.2773



65.5751, 0.3462, 0.3137



18.2185, 0.3176, 0.3113



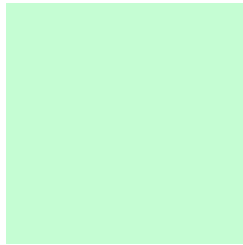
13.1109, 0.3962, 0.1956



1.2940, 0.3857, 0.1898

Previews

White Background



This preview shows how the Yxy color 86.8240, 0.3021, 0.3752 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 86.8240, 0.3021, 0.3752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

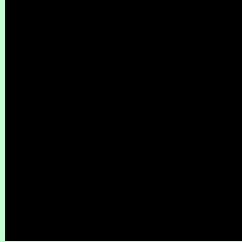
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

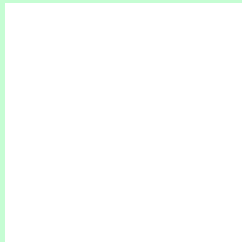
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.8240, 0.3021, 0.3752

Background



This preview shows how black text looks on a background with the Yxy color 86.8240, 0.3021, 0.3752.

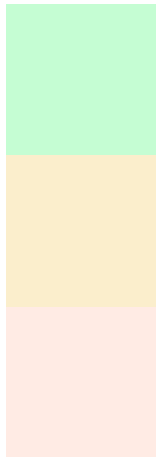


This preview shows how white text looks on a background with the Yxy color 86.8240, 0.3021, 0.3752.

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

86.8240, 0.3021, 0.3752

Protanopia

86.0179, 0.3433, 0.3634

Deuteranopia

86.2781, 0.3308, 0.3360



Tritanopia

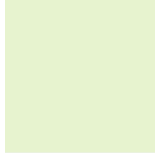
86.5368, 0.2913, 0.3167

Trichromacy



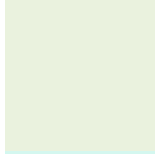
Original Color

86.8240, 0.3021, 0.3752



Protanomaly

85.5951, 0.3268, 0.3667



Deuteranomaly

86.2706, 0.3196, 0.3496



Tritanomaly

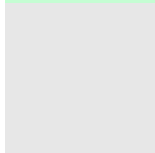
86.7506, 0.2955, 0.3374

Monochromacy



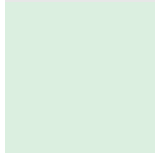
Original Color

86.8240, 0.3021, 0.3752



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.1749, 0.3087, 0.3450

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8240, 0.3021, 0.3752 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(197, 253, 211)` looks like.

```
.text, #text, p{  
    color:rgb(197, 253, 211)  
}
```

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(197, 253, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 253, 211) }
```

Border

The CSS property to change the border of an element to Yxy 86.8240, 0.3021, 0.3752 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(197, 253, 211) }
```

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

```
.border{ border-color:rgb(197, 253, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 253, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 253, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 253, 211);  
box-shadow:4px 4px 4px 4px rgb(197, 253,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8240, 0.3021, 0.3752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 253, 211) }
```

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

```
.background{ background-color: rgb(197,  
253, 211) }
```

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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