

Converting Colors

Yxy(86.5634, 0.2996, 0.3790)

Have a look what the booklet for
Yxy(86.5634, 0.2996, 0.3790)
contains.

Yxy(86.5634, 0.2996, 0.3790)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(86.5634, 0.2996, 0.3790)

Conversions

Conversions Part 1

Format	Color
Hex	BFFED1
RGB	191, 254, 209
RGB Percent	75%, 100%, 82%
CMY	0.2511, 0.0039, 0.1805
CMYK	0.25, 0.00, 0.18, 0.00
HSL	137°, 97%, 87%
HSV	137°, 25%, 100%
XYZ	68.4285, 86.5634, 73.4076
YIQ	230.0330, -23.1030, -27.3510

Conversions

Conversions Part 2

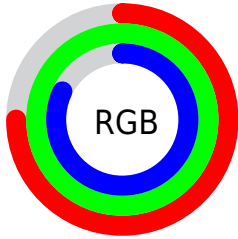
Format	Color
R_{YB}	191, 240, 254
Decimal	12582609
CIE _{Lab}	94.55, -28.39, 15.24
CIE _{LCh}	95, 32.222, 151.778
Yxy	86.5634, 0.2996, 0.3790
Android (android.graphics.Color)	4290772689 (0xFFBFFED1)
YUV	230.0330, -10.3693, -34.2319
Hunter-Lab	93.0395, -31.5362, 18.3482

Details

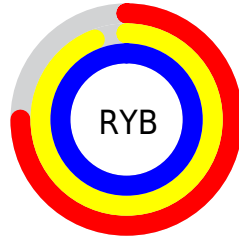
The Yxy color **86.5634, 0.2996, 0.3790** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.3797, 0.3290, 0.2838**, and the grayscale version is **79.2443, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **47.5333, 0.2957, 0.3901** is the 20% darker color. If you saturate the color by 10%, you get **82.7068, 0.2948, 0.4032**, and if you desaturate by 10%, it is **91.1007, 0.3048, 0.3571**.

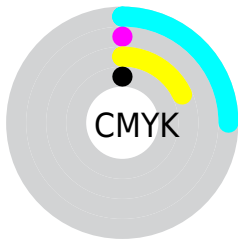
Distribution



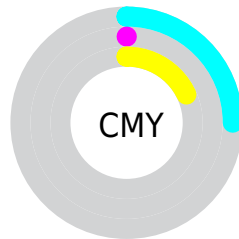
- Red (75%)
- Green (100%)
- Blue (82%)



- Red (75%)
- Yellow (94%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.5634, 0.2996, 0.3790 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 86.5634, 0.2996, 0.3790 by changing the saturation by 10% instead.

 86.5634, 0.2996,
0.3790

 86.5634, 0.2996,
0.3790


516.7871, 0.3059,
0.3557

 65.1340, 0.2981,
0.3843


 142.5554, 0.3018,
0.3709

 47.5697, 0.2962,
0.3909

177.8868, 0.3027,
0.3678

 33.4863, 0.2938,
0.3993


218.6210, 0.3034,
0.3651

 22.4992, 0.2906,
0.4103

265.1423, 0.3040,
0.3627

 14.2242, 0.2862,
0.4253

317.8352, 0.3046,
0.3607

 8.2767, 0.2795,
0.4470

377.0840, 0.3051,

 4.2725, 0.2686,

0.3588

0.4809

443.2732, 0.3055,
0.3572

■ 1.8272, 0.2499,
0.5447

■ 0.5040, 0.0000,
1.0000

■ 86.5634, 0.2996,
0.3790

■ 86.5634, 0.2996,
0.3790

■ 82.7068, 0.2948,
0.4032

■ 91.1007, 0.3048,
0.3571

■ 79.4870, 0.2906,
0.4293

■ 96.3385, 0.3101,
0.3376

■ 76.8721, 0.2873,
0.4567

■ 99.3718, 0.3128,
0.3281

■ 74.8226, 0.2853,
0.4844

■ 73.2945, 0.2849,
0.5113

■ 72.2367, 0.2861,
0.5359

■ 71.5871, 0.2889,
0.5569

■ 71.3669, 0.2906,
0.5661

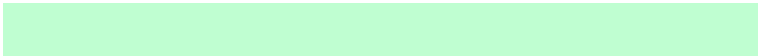
Harmonies

Analogous

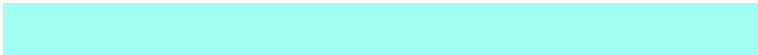
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5634, 0.3361, 0.3943



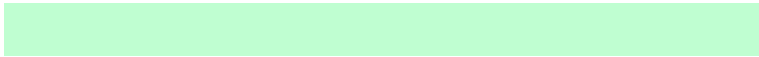
86.5634, 0.2996, 0.3790



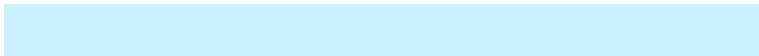
86.5634, 0.2679, 0.3476

Triad

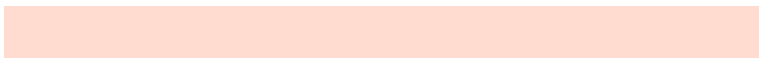
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.5634, 0.2996, 0.3790



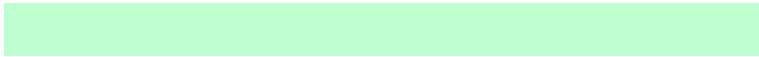
86.5634, 0.2588, 0.2706



86.5634, 0.3814, 0.3393

Complementary

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



86.5634, 0.2996, 0.3790



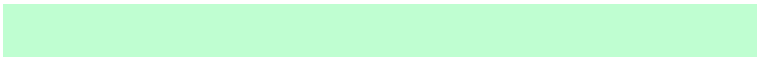
64.3797, 0.3290, 0.2838

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.



86.5634, 0.3582, 0.3098



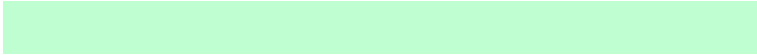
86.5634, 0.2996, 0.3790



86.5634, 0.2865, 0.2714

Square

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



86.5634, 0.2996, 0.3790



86.5634, 0.2454, 0.2846



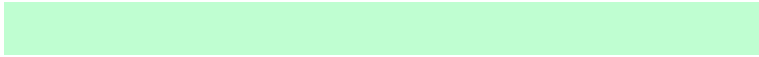
86.5634, 0.3229, 0.2855



86.5634, 0.3846, 0.3682

Rectangle

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



86.5634, 0.2996, 0.3790



86.5634, 0.2533, 0.3237



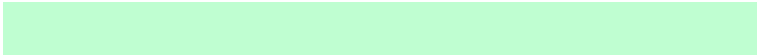
86.5634, 0.3229, 0.2855



86.5634, 0.3756, 0.3292

Sweetspot

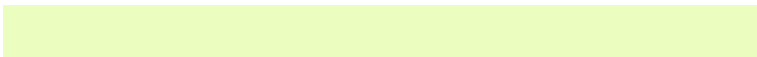
The Sweet Spot groups the original color and five complimentary colors.



86.5670, 0.2996, 0.3790



95.9761, 0.3090, 0.3416



92.5111, 0.3383, 0.3938



20.4722, 0.3087, 0.3428



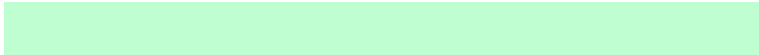
0.0000, 0.0000, 0.0000



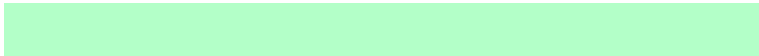
21.4041, 0.3127, 0.3290

Same Dimension

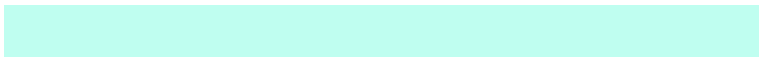
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.5670, 0.2996, 0.3790



85.2307, 0.2970, 0.3913



88.2770, 0.2830, 0.3436



20.2535, 0.3076, 0.3464



37.6430, 0.2898, 0.5633



3.6830, 0.2837, 0.5413

Inverse Universe

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



64.3797, 0.3290, 0.2838



59.1920, 0.3333, 0.2740



62.7131, 0.3540, 0.3150



18.2067, 0.3182, 0.3122



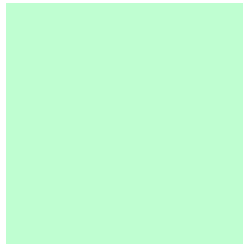
12.9043, 0.4095, 0.2029



1.2753, 0.3969, 0.1960

Previews

White Background



This preview shows how the Yxy color 86.5634, 0.2996, 0.3790 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 86.5634, 0.2996, 0.3790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

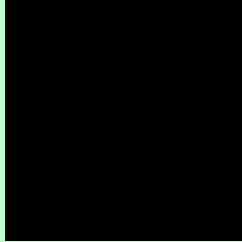
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.5634, 0.2996, 0.3790

Background



This preview shows how black text looks on a background with the Yxy color 86.5634, 0.2996, 0.3790.

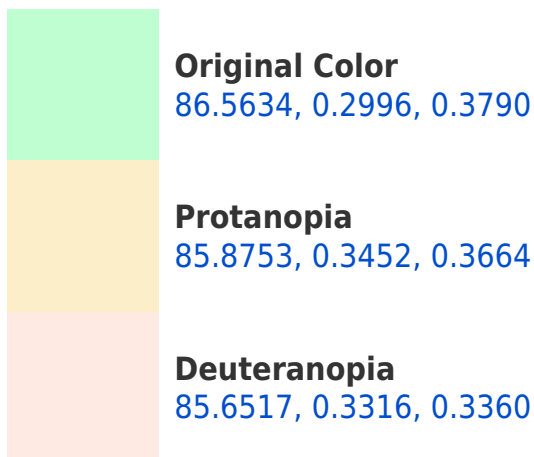


This preview shows how white text looks on a background with the Yxy color 86.5634, 0.2996, 0.3790.

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

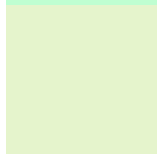
86.2266, 0.2901, 0.3166

Trichromacy



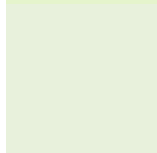
Original Color

86.5634, 0.2996, 0.3790



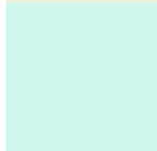
Protanomaly

85.7190, 0.3272, 0.3711



Deuteranomaly

85.2337, 0.3196, 0.3508



Tritanomaly

86.1045, 0.2937, 0.3385

Monochromacy



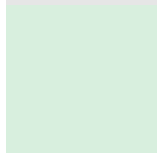
Original Color

86.5634, 0.2996, 0.3790



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.6059, 0.3079, 0.3472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.5634, 0.2996, 0.3790 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(191, 254, 209)` looks like.

```
.text, #text, p{  
    color:rgb(191, 254, 209)  
}
```

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(191, 254, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 254, 209) }
```

Border

The CSS property to change the border of an element to Yxy 86.5634, 0.2996, 0.3790 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(191, 254, 209) }
```

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

```
.border{ border-color:rgb(191, 254, 209) }
```

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

Here you see how a box with a 4 pixel rgb(191, 254, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 254, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 254, 209);  
box-shadow:4px 4px 4px 4px rgb(191, 254,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 86.5634, 0.2996, 0.3790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 254, 209) }
```

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

```
.background{ background-color: rgb(191,  
254, 209) }
```

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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