

Converting Colors

$Yxy(86.9876, 0.3101, 0.3971)$

Have a look what the booklet for
Yxy(86.9876, 0.3101, 0.3971)
contains.

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Color

Yxy(87.0171, 0.3101, 0.3968)

Conversions

Conversions Part 1

Format	Color
Hex	C3FFC2
RGB	195, 255, 194
RGB Percent	76%, 100%, 76%
CMY	0.2354, 0.0000, 0.2390
CMYK	0.24, 0.00, 0.24, 0.00
HSL	119°, 100%, 88%
HSV	119°, 24%, 100%
XYZ	68.0040, 87.0171, 64.2760
YIQ	230.1060, -16.1790, -31.6910

Conversions

Conversions Part 2

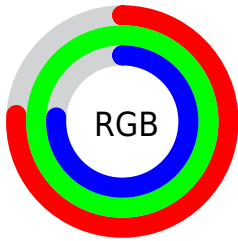
Format	Color
RYB	194, 255, 254
Decimal	12844994
CIELab	94.75, -30.15, 23.17
CIElCh	95, 38.023, 142.464
Yxy	87.0171, 0.3101, 0.3968
Android (android.graphics.Color)	4291035074 (0xFFC3FFC2)
YUV	230.1060, -17.8003, -30.7880
Hunter-Lab	93.2830, -33.1172, 24.4447

Details

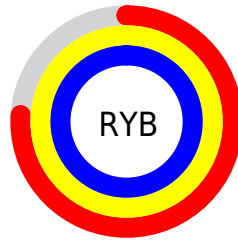
The Yxy color **87.0171, 0.3101, 0.3968** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.9058, 0.3148, 0.2692**, and the grayscale version is **79.3561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1805, 0.3132, 0.3328**, and **47.8571, 0.3088, 0.4134** is the 20% darker color. If you saturate the color by 10%, you get **82.9000, 0.3087, 0.4306**, and if you desaturate by 10%, it is **91.8932, 0.3113, 0.3660**.

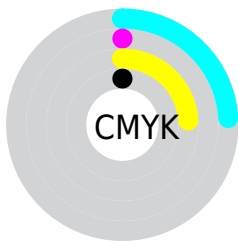
Distribution



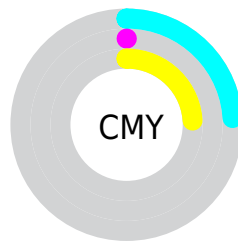
- Red (76%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.0171, 0.3101, 0.3968 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 87.0171, 0.3101, 0.3968 by changing the saturation by 10% instead.

 87.0171, 0.3101,
0.3968

 87.0171, 0.3101,
0.3968

518.2791, 0.3120,
0.3651

 65.5094, 0.3095,
0.4041


 143.1880, 0.3109,
0.3857

 47.8742, 0.3087,
0.4131


178.6199, 0.3112,
0.3815

 33.7273, 0.3075,
0.4246

219.4620, 0.3114,
0.3778

 22.6842, 0.3058,
0.4397

266.0987, 0.3115,
0.3746

 14.3605, 0.3031,
0.4602

318.9143, 0.3117,
0.3718

 8.3718, 0.2983,
0.4898

378.2933, 0.3118,

 4.3338, 0.2892,

0.3693

0.5353

444.6201, 0.3119,
0.3671

1.8620, 0.2876,
0.6567

0.5254, 0.0000,
1.0000

87.0171, 0.3101,
0.3968

87.0171, 0.3101,
0.3968

82.9000, 0.3087,
0.4306

91.8932, 0.3113,
0.3660

79.5036, 0.3072,
0.4664

97.5636, 0.3124,
0.3387

76.7864, 0.3056,
0.5024

100.0000, 0.3127,
0.3290

74.7028, 0.3039,
0.5359

■ 73.2016, 0.3025,
0.5642

■ 72.2236, 0.3013,
0.5847

■ 71.6969, 0.3005,
0.5963

■ 71.5454, 0.3002,
0.5998

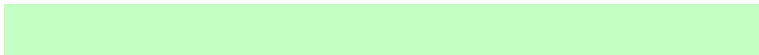
Harmonies

Analogous

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



87.0171, 0.3525, 0.4069



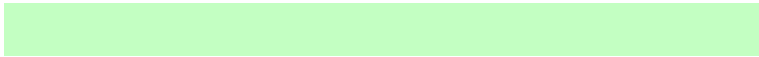
87.0171, 0.3101, 0.3968



87.0171, 0.2702, 0.3639

Triad

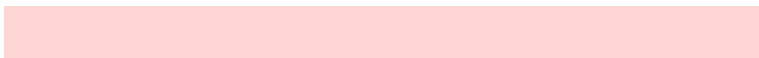
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.0171, 0.3101, 0.3968



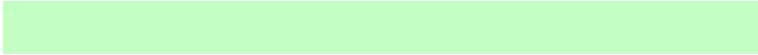
87.0171, 0.2430, 0.2638



87.0171, 0.3876, 0.3295

Complementary

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



87.0171, 0.3101, 0.3968



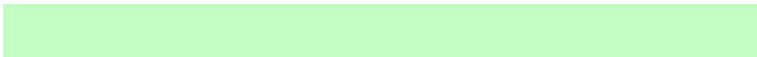
66.9058, 0.3148, 0.2692

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.



87.0171, 0.3542, 0.2967



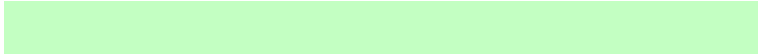
87.0171, 0.3101, 0.3968



87.0171, 0.2703, 0.2599

Square

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



87.0171, 0.3101, 0.3968



87.0171, 0.2333, 0.2850



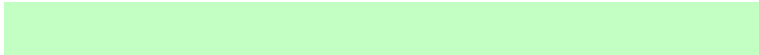
87.0171, 0.3106, 0.2719



87.0171, 0.3990, 0.3642

Rectangle

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



87.0171, 0.3101, 0.3968



87.0171, 0.2501, 0.3355



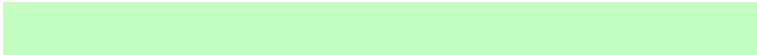
87.0171, 0.3106, 0.2719



87.0171, 0.3784, 0.3180

Sweetspot

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



87.0172, 0.3101, 0.3968



95.7210, 0.3121, 0.3468



96.0306, 0.3492, 0.3880



20.4133, 0.3120, 0.3484



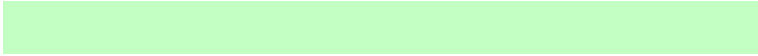
0.0000, 0.0000, 0.0000



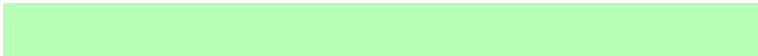
21.4041, 0.3127, 0.3290

Same Dimension

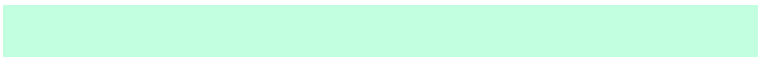
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.0172, 0.3101, 0.3968



84.8265, 0.3094, 0.4137



88.3504, 0.2936, 0.3633



20.1815, 0.3118, 0.3536



37.3898, 0.3003, 0.5998



3.6450, 0.3011, 0.5991

Inverse Universe

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



66.9058, 0.3148, 0.2692



61.3324, 0.3152, 0.2564



65.3294, 0.3375, 0.2971



18.2853, 0.3136, 0.3056



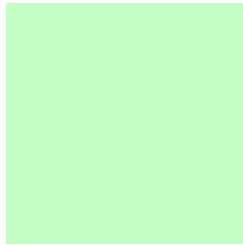
14.5022, 0.3171, 0.1520



1.4164, 0.3175, 0.1523

Previews

White Background



This preview shows how the Yxy color 87.0171, 0.3101, 0.3968 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 87.0171, 0.3101, 0.3968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

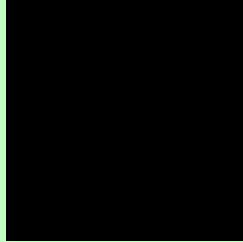
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

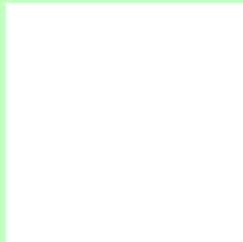
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.0171, 0.3101, 0.3968

Background



This preview shows how black text looks on a background with the Yxy color 87.0171, 0.3101, 0.3968.

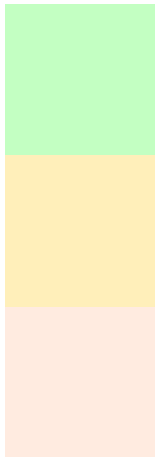


This preview shows how white text looks on a background with the Yxy color 87.0171, 0.3101, 0.3968.

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

87.0171, 0.3101, 0.3968

Protanopia

86.5382, 0.3576, 0.3822

Deuteranopia

86.0585, 0.3334, 0.3400



Tritanopia

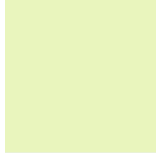
86.6933, 0.2920, 0.3167

Trichromacy



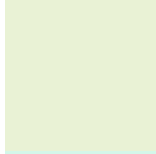
Original Color

87.0171, 0.3101, 0.3968



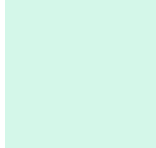
Protanomaly

86.3026, 0.3390, 0.3878



Deuteranomaly

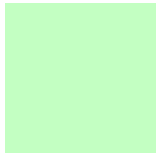
85.6320, 0.3245, 0.3592



Tritanomaly

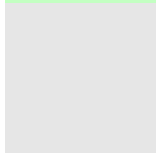
86.4018, 0.2989, 0.3438

Monochromacy



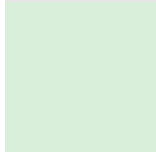
Original Color

87.0171, 0.3101, 0.3968



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.4945, 0.3116, 0.3527

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.0171, 0.3101, 0.3968 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(195, 255, 194)` looks like.

```
.text, #text, p{  
    color:rgb(195, 255, 194)  
}
```

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(195, 255, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 255, 194) }
```

Border

The CSS property to change the border of an element to Yxy 87.0171, 0.3101, 0.3968 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(195, 255, 194) }
```

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

```
.border{ border-color:rgb(195, 255, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 255, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(195, 255,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 87.0171, 0.3101, 0.3968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 255, 194) }
```

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

```
.background{ background-color: rgb(195,  
255, 194) }
```

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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