

Converting Colors

Yxy(87.2717, 0.3138, 0.4004)

Have a look what the booklet for
Yxy(87.2717, 0.3138, 0.4004)
contains.

Yxy(87.2874, 0.3136, 0.3999)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.2874, 0.3136, 0.3999)

Conversions

Conversions Part 1

Format	Color
Hex	C6FFBF
RGB	198, 255, 191
RGB Percent	78%, 100%, 75%
CMY	0.2236, 0.0000, 0.2509
CMYK	0.22, 0.00, 0.25, 0.00
HSL	113°, 100%, 87%
HSV	113°, 25%, 100%
XYZ	68.4504, 87.2874, 62.5352
YIQ	230.6610, -13.4280, -31.9880

Conversions

Conversions Part 2

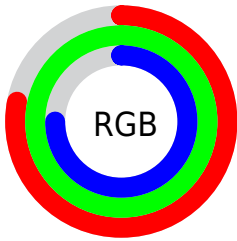
Format	Color
RYB	191, 255, 248
Decimal	13041599
CIELab	94.86, -29.67, 24.89
CIElCh	95, 38.728, 140.003
Yxy	87.2874, 0.3136, 0.3999
Android (android.graphics.Color)	4291231679 (0xFFC6FFBF)
YUV	230.6610, -19.5529, -28.6437
Hunter-Lab	93.4277, -32.7193, 25.7140

Details

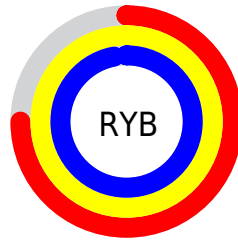
The Yxy color **87.2874, 0.3136, 0.3999** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.4470, 0.3104, 0.2653**, and the grayscale version is **79.7983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.5573, 0.3168, 0.3357**, and **48.0339, 0.3131, 0.4173** is the 20% darker color. If you saturate the color by 10%, you get **83.4000, 0.3134, 0.4333**, and if you desaturate by 10%, it is **91.8304, 0.3134, 0.3692**.

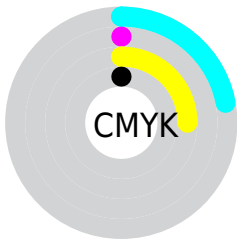
Distribution



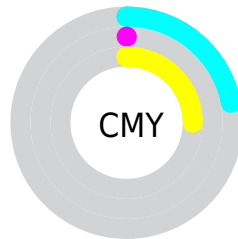
- Red (78%)
- Green (100%)
- Blue (75%)



- Red (75%)
- Yellow (100%)
- Blue (97%)



- Cyan (22%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.2874, 0.3136, 0.3999 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 87.2874, 0.3136, 0.3999 by changing the saturation by 10% instead.


 87.2874, 0.3136,
0.3999

 87.2874, 0.3136,
0.3999


519.1668, 0.3140,
0.3668

 65.7331, 0.3133,
0.4075

 143.5647, 0.3139,
0.3884

 48.0557, 0.3129,
0.4170

179.0564, 0.3139,
0.3839

 33.8710, 0.3122,
0.4289


219.9627, 0.3140,
0.3800

 22.7945, 0.3110,
0.4446

266.6680, 0.3140,
0.3767

 14.4419, 0.3089,
0.4659

319.5566, 0.3140,
0.3737

 8.4286, 0.3050,
0.4964

379.0131, 0.3140,

 4.3704, 0.2969,

0.3711

0.5432

445.4216, 0.3140,
0.3688

■ 1.8829, 0.3027,
0.6790

■ 0.5380, 0.0000,
1.0000

■ 87.2874, 0.3136,
0.3999

■ 87.2874, 0.3136,
0.3999

■ 83.4000, 0.3134,
0.4333

■ 91.8304, 0.3134,
0.3692

■ 80.1419, 0.3129,
0.4683

■ 97.0620, 0.3130,
0.3417

■ 77.4786, 0.3118,
0.5032

100.0000, 0.3127,
0.3290

■ 75.3738, 0.3101,
0.5356

■ 73.7873, 0.3080,
0.5631

■ 72.6733, 0.3056,
0.5832

■ 71.9781, 0.3031,
0.5950

■ 71.7640, 0.3021,
0.5983

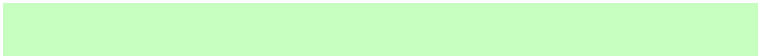
Harmonies

Analogous

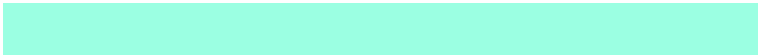
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2874, 0.3564, 0.4079



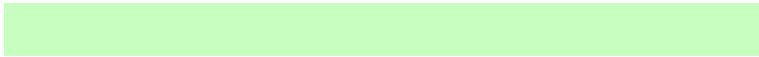
87.2874, 0.3136, 0.3999



87.2874, 0.2724, 0.3679

Triad

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



87.2874, 0.3136, 0.3999



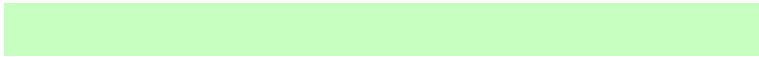
87.2874, 0.2403, 0.2638



87.2874, 0.3868, 0.3265

Complementary

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



87.2874, 0.3136, 0.3999



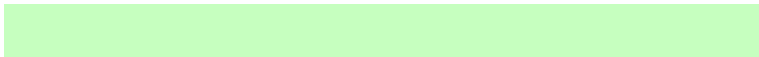
64.4470, 0.3104, 0.2653

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.



87.2874, 0.3515, 0.2937



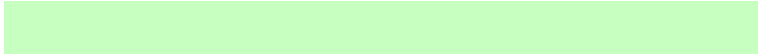
87.2874, 0.3136, 0.3999



87.2874, 0.2667, 0.2585

Square

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



87.2874, 0.3136, 0.3999



87.2874, 0.2321, 0.2867



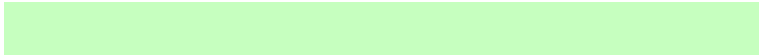
87.2874, 0.3069, 0.2695



87.2874, 0.4006, 0.3619

Rectangle

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



87.2874, 0.3136, 0.3999



87.2874, 0.2512, 0.3392



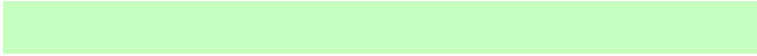
87.2874, 0.3069, 0.2695



87.2874, 0.3770, 0.3150

Sweetspot

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



87.2859, 0.3136, 0.3999



95.4693, 0.3131, 0.3494



91.8710, 0.3524, 0.3851



20.2629, 0.3132, 0.3535



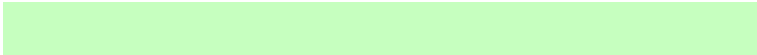
0.0000, 0.0000, 0.0000



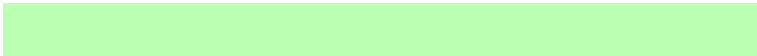
21.4041, 0.3127, 0.3290

Same Dimension

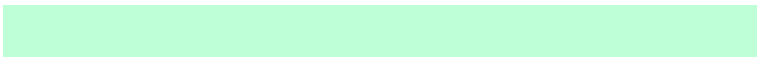
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2859, 0.3136, 0.3999



85.2990, 0.3136, 0.4160



87.5318, 0.2961, 0.3725



20.2629, 0.3132, 0.3535



37.5285, 0.3026, 0.5979



3.6835, 0.3075, 0.5941

Inverse Universe

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



64.4470, 0.3104, 0.2653



58.9726, 0.3097, 0.2526



64.2657, 0.3340, 0.2892



18.1939, 0.3120, 0.3055



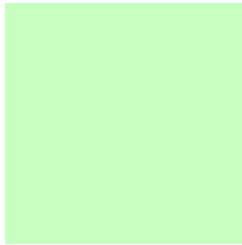
12.3634, 0.2935, 0.1391



1.2313, 0.2968, 0.1409

Previews

White Background



This preview shows how the Yxy color 87.2874, 0.3136, 0.3999 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 87.2874, 0.3136, 0.3999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

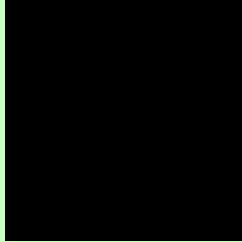
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

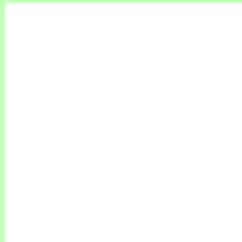
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.2874, 0.3136, 0.3999

Background



This preview shows how black text looks on a background with the Yxy color 87.2874, 0.3136, 0.3999.

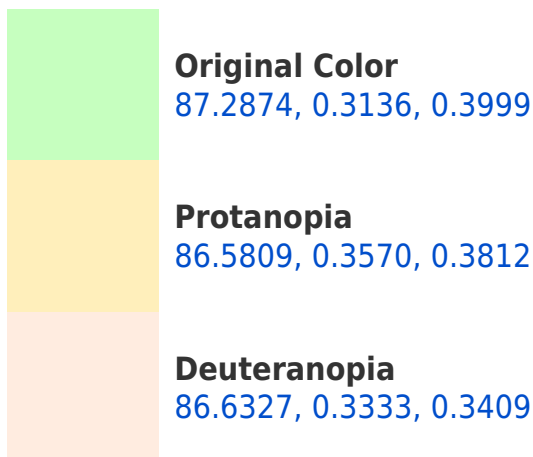


This preview shows how white text looks on a background with the Yxy color 87.2874, 0.3136, 0.3999.

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

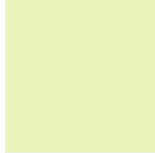
87.0092, 0.2932, 0.3167

Trichromacy



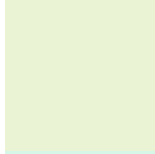
Original Color

87.2874, 0.3136, 0.3999



Protanomaly

86.4281, 0.3403, 0.3887



Deuteranomaly

86.3471, 0.3257, 0.3612



Tritanomaly

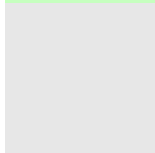
86.6439, 0.3007, 0.3448

Monochromacy



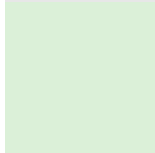
Original Color

87.2874, 0.3136, 0.3999



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.3381, 0.3135, 0.3547

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2874, 0.3136, 0.3999 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(198, 255, 191)` looks like.

```
.text, #text, p{  
    color:rgb(198, 255, 191)  
}
```

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(198, 255, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 255, 191) }
```

Border

The CSS property to change the border of an element to Yxy 87.2874, 0.3136, 0.3999 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(198, 255, 191) }
```

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

```
.border{ border-color:rgb(198, 255, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 255, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 255, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 255, 191);  
box-shadow:4px 4px 4px 4px rgb(198, 255,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2874, 0.3136, 0.3999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 255, 191) }
```

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

```
.background{ background-color: rgb(198,  
255, 191) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor