

Converting Colors

Yxy(87.5024, 0.3149, 0.4001)

Have a look what the booklet for
Yxy(87.5024, 0.3149, 0.4001)
contains.

Yxy(87.5609, 0.3148, 0.3996)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.5609, 0.3148, 0.3996)

Conversions

Conversions Part 1

Format	Color
Hex	C8FFBF
RGB	200, 255, 191
RGB Percent	78%, 100%, 75%
CMY	0.2158, 0.0000, 0.2508
CMYK	0.22, 0.00, 0.25, 0.00
HSL	112°, 100%, 87%
HSV	112°, 25%, 100%
XYZ	68.9794, 87.5609, 62.5811
YIQ	231.2590, -12.2360, -31.5640

Conversions

Conversions Part 2

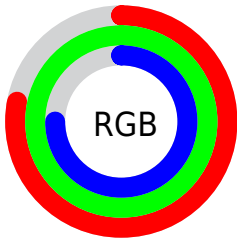
Format	Color
RYB	191, 255, 246
Decimal	13172671
CIELab	94.98, -29.02, 25.05
CIElCh	95, 38.333, 139.194
Yxy	87.5609, 0.3148, 0.3996
Android (android.graphics.Color)	4291362751 (0xFFC8FFBF)
YUV	231.2590, -19.8477, -27.4141
Hunter-Lab	93.5740, -32.1706, 25.8494

Details

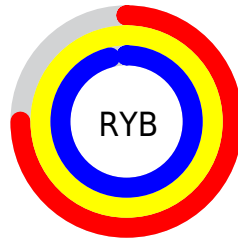
The Yxy color **87.5609, 0.3148, 0.3996** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.1101, 0.3089, 0.2650**, and the grayscale version is **80.2658, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.5573, 0.3168, 0.3357**, and **48.2141, 0.3146, 0.4169** is the 20% darker color. If you saturate the color by 10%, you get **83.7235, 0.3151, 0.4327**, and if you desaturate by 10%, it is **92.0211, 0.3141, 0.3691**.

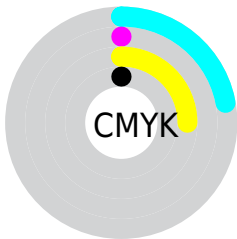
Distribution



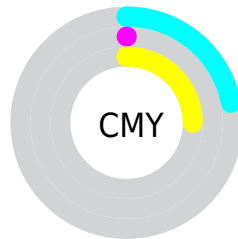
- Red (78%)
- Green (100%)
- Blue (75%)



- Red (75%)
- Yellow (100%)
- Blue (96%)



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.5609, 0.3148, 0.3996 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 87.5609, 0.3148, 0.3996 by changing the saturation by 10% instead.


 87.5609, 0.3148,
0.3996

 87.5609, 0.3148,
0.3996


520.0642, 0.3146,
0.3666

 65.9595, 0.3146,
0.4072

 143.9457, 0.3149,
0.3881

 48.2395, 0.3144,
0.4165

179.4978, 0.3149,
0.3837

 34.0166, 0.3139,
0.4284


220.4690, 0.3149,
0.3798

 22.9063, 0.3129,
0.4439

267.2436, 0.3148,
0.3765

 14.5244, 0.3112,
0.4650

320.2060, 0.3148,
0.3736

 8.4863, 0.3077,
0.4952

379.7407, 0.3147,

 4.4076, 0.3003,

0.3710

0.5413

446.2319, 0.3147,
0.3687

1.9041, 0.3071,
0.6739

0.5508, 0.0000,
1.0000

87.5609, 0.3148,
0.3996

87.5609, 0.3148,
0.3996

83.7235, 0.3151,
0.4327

92.0211, 0.3141,
0.3691


80.4898, 0.3148,
0.4674


97.1403, 0.3132,
0.3417

77.8260, 0.3140,
0.5020

100.0000, 0.3127,
0.3290

75.6986, 0.3124,
0.5342

 74.0705, 0.3102,
0.5615

 72.8996, 0.3074,
0.5818

 72.1368, 0.3044,
0.5940

 71.8870, 0.3031,
0.5975

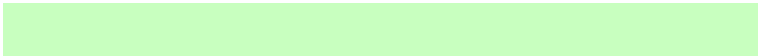
Harmonies

Analogous

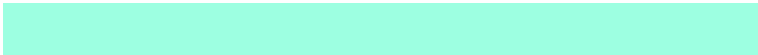
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5609, 0.3570, 0.4069



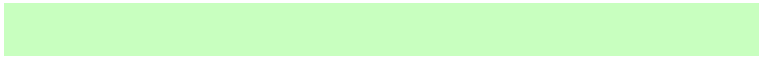
87.5609, 0.3148, 0.3996



87.5609, 0.2739, 0.3685

Triad

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



87.5609, 0.3148, 0.3996



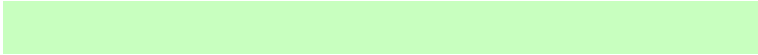
87.5609, 0.2406, 0.2649



87.5609, 0.3853, 0.3257

Complementary

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



87.5609, 0.3148, 0.3996



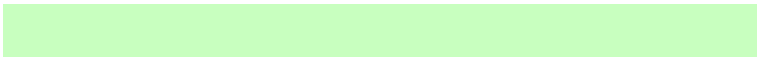
64.1101, 0.3089, 0.2650

Split Complementary

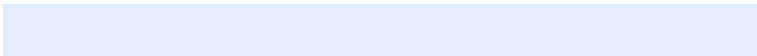
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.5609, 0.3499, 0.2933



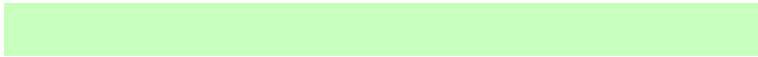
87.5609, 0.3148, 0.3996



87.5609, 0.2663, 0.2591

Square

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



87.5609, 0.3148, 0.3996



87.5609, 0.2330, 0.2880



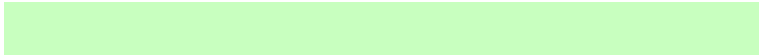
87.5609, 0.3058, 0.2696



87.5609, 0.3995, 0.3607

Rectangle

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



87.5609, 0.3148, 0.3996



87.5609, 0.2526, 0.3402



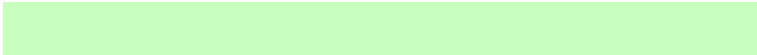
87.5609, 0.3058, 0.2696



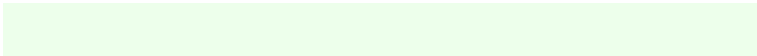
87.5609, 0.3754, 0.3143

Sweetspot

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



87.5577, 0.3148, 0.3996



95.5761, 0.3135, 0.3494



90.5750, 0.3529, 0.3831



20.2895, 0.3137, 0.3534



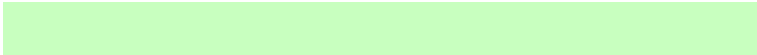
0.0000, 0.0000, 0.0000



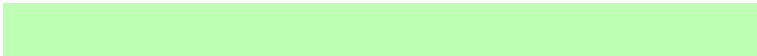
21.4041, 0.3127, 0.3290

Same Dimension

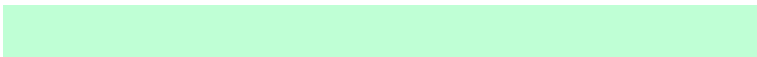
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.5577, 0.3148, 0.3996



85.5943, 0.3150, 0.4156



87.4284, 0.2973, 0.3749



20.2895, 0.3137, 0.3534



37.5991, 0.3037, 0.5970



3.6960, 0.3095, 0.5925

Inverse Universe

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



64.1101, 0.3089, 0.2650



58.5534, 0.3079, 0.2522



64.4032, 0.3324, 0.2872



18.1645, 0.3116, 0.3054



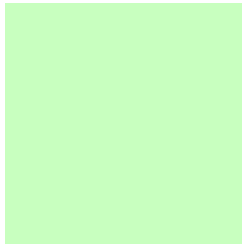
11.7280, 0.2859, 0.1348



1.1757, 0.2901, 0.1372

Previews

White Background



This preview shows how the Yxy color 87.5609, 0.3148, 0.3996 looks on a white background.

Color Contrast Check

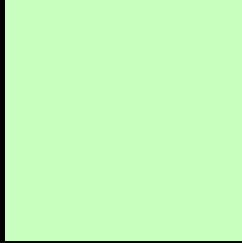
Large Text (above 18pt) WCAG AA × Fail

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 87.5609, 0.3148, 0.3996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

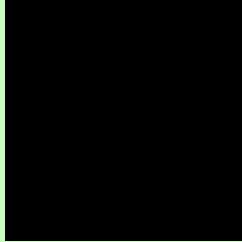
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

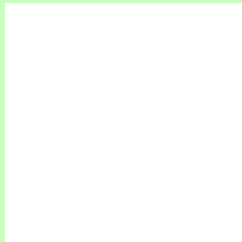
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.5609, 0.3148, 0.3996

Background



This preview shows how black text looks on a background with the Yxy color 87.5609, 0.3148, 0.3996.

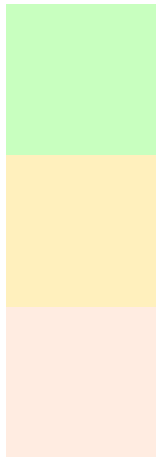


This preview shows how white text looks on a background with the Yxy color 87.5609, 0.3148, 0.3996.

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

87.5609, 0.3148, 0.3996

Protanopia

87.2543, 0.3555, 0.3802

Deuteranopia

86.6871, 0.3326, 0.3399



Tritanopia

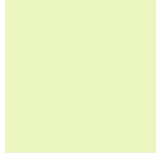
87.1685, 0.2938, 0.3168

Trichromacy



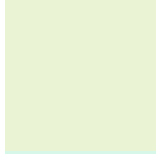
Original Color

87.5609, 0.3148, 0.3996



Protanomaly

86.6847, 0.3397, 0.3864



Deuteranomaly

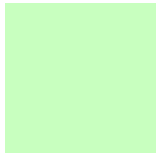
86.5674, 0.3258, 0.3601



Tritanomaly

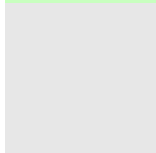
86.7948, 0.3013, 0.3448

Monochromacy



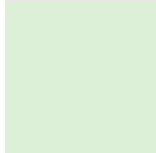
Original Color

87.5609, 0.3148, 0.3996



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.4937, 0.3141, 0.3547

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.5609, 0.3148, 0.3996 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(200, 255, 191)` looks like.

```
.text, #text, p{  
    color:rgb(200, 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(200, 255, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 191) }
```

Border

The CSS property to change the border of an element to Yxy 87.5609, 0.3148, 0.3996 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(200, 255, 191) }
```

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

```
.border{ border-color:rgb(200, 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(200, 255, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 191);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 87.5609, 0.3148, 0.3996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 255, 191) }
```

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

```
.background{ background-color: rgb(200,  
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