

Converting Colors

Yxy(87.2406, 0.3119, 0.3977)

Have a look what the booklet for
Yxy(87.2406, 0.3119, 0.3977)
contains.

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Color

Yxy(87.2406, 0.3119, 0.3977)

Conversions

Conversions Part 1

Format	Color
Hex	C5FFC1
RGB	197, 255, 193
RGB Percent	77%, 100%, 76%
CMY	0.2273, 0.0000, 0.2430
CMYK	0.23, 0.00, 0.24, 0.00
HSL	116°, 100%, 88%
HSV	116°, 24%, 100%
XYZ	68.4193, 87.2406, 63.7030
YIQ	230.5900, -14.6660, -31.5780

Conversions

Conversions Part 2

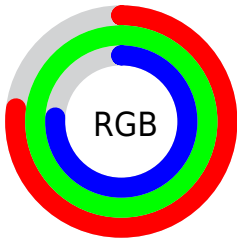
Format	Color
RYB	193, 255, 251
Decimal	12976065
CIELab	94.84, -29.65, 23.83
CIELCh	95, 38.040, 141.213
Yxy	87.2406, 0.3119, 0.3977
Android (android.graphics.Color)	4291166145 (0xFFC5FFC1)
YUV	230.5900, -18.5319, -29.4584
Hunter-Lab	93.4027, -32.7000, 24.9446

Details

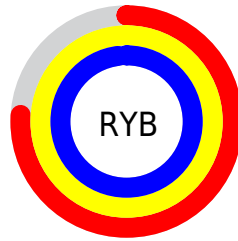
The Yxy color **87.2406, 0.3119, 0.3977** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.8843, 0.3126, 0.2678**, and the grayscale version is **79.7463, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4930, 0.3150, 0.3338**, and **48.0030, 0.3109, 0.4145** is the 20% darker color. If you saturate the color by 10%, you get **83.2321, 0.3112, 0.4312**, and if you desaturate by 10%, it is **91.9623, 0.3124, 0.3670**.

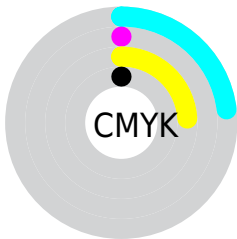
Distribution



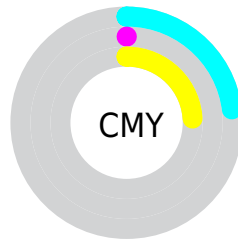
- Red (77%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (98%)



- Cyan (23%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.2406, 0.3119, 0.3977 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 87.2406, 0.3119, 0.3977 by changing the saturation by 10% instead.

 87.2406, 0.3119,
0.3977

 87.2406, 0.3119,
0.3977

519.0131, 0.3130,
0.3656

 65.6943, 0.3115,
0.4051

 143.4994, 0.3124,
0.3865

 48.0243, 0.3109,
0.4142


178.9808, 0.3126,
0.3822

 33.8461, 0.3100,
0.4258


219.8760, 0.3127,
0.3784

 22.7754, 0.3085,
0.4410

266.5694, 0.3128,
0.3752

 14.4278, 0.3062,
0.4617

319.4454, 0.3129,
0.3724

 8.4188, 0.3020,
0.4914


378.8885, 0.3129,


 4.3641, 0.2935,


0.3698


0.5371


445.2829, 0.3130,
0.3676


 1.8792, 0.2950,
0.6617


 0.5358, 0.0000,
1.0000


 87.2406, 0.3119,
0.3977


 87.2406, 0.3119,
0.3977

 83.2321, 0.3112,
0.4312


 91.9623, 0.3124,
0.3670


 79.8918, 0.3101,
0.4666


 97.4179, 0.3127,
0.3397


 77.1866, 0.3088,
0.5021


99.9987, 0.3127,
0.3290

 75.0762, 0.3071,
0.5352

 73.5155, 0.3053,
0.5632

 72.4533, 0.3034,
0.5837

 71.8284, 0.3017,
0.5956

 71.6327, 0.3010,
0.5992

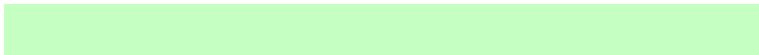
Harmonies

Analogous

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



87.2406, 0.3541, 0.4067



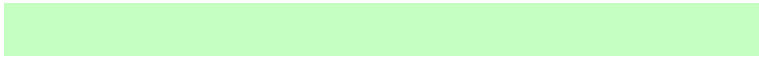
87.2406, 0.3119, 0.3977



87.2406, 0.2717, 0.3655

Triad

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



87.2406, 0.3119, 0.3977



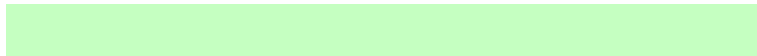
87.2406, 0.2422, 0.2644



87.2406, 0.3865, 0.3280

Complementary

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



87.2406, 0.3119, 0.3977



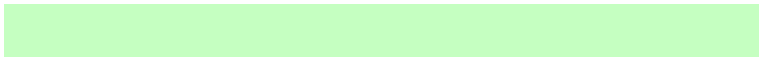
65.8843, 0.3126, 0.2678

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.



87.2406, 0.3525, 0.2955



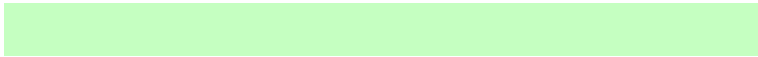
87.2406, 0.3119, 0.3977



87.2406, 0.2689, 0.2598

Square

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



87.2406, 0.3119, 0.3977



87.2406, 0.2333, 0.2862



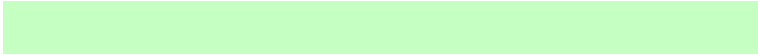
87.2406, 0.3088, 0.2712



87.2406, 0.3990, 0.3628

Rectangle

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



87.2406, 0.3119, 0.3977



87.2406, 0.2512, 0.3373



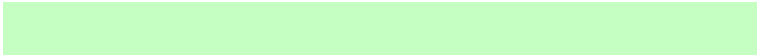
87.2406, 0.3088, 0.2712



87.2406, 0.3771, 0.3166

Sweetspot

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



87.2443, 0.3119, 0.3977



95.8724, 0.3126, 0.3468



94.0226, 0.3505, 0.3862



20.4482, 0.3126, 0.3484



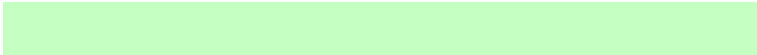
0.0000, 0.0000, 0.0000



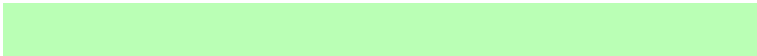
21.4041, 0.3127, 0.3290

Same Dimension

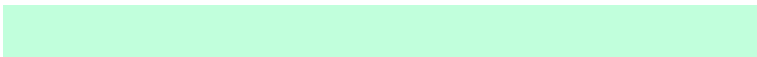
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2443, 0.3119, 0.3977



85.2744, 0.3116, 0.4132



88.0216, 0.2949, 0.3674



20.2240, 0.3125, 0.3535



37.4513, 0.3013, 0.5989



3.6652, 0.3044, 0.5965

Inverse Universe

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



65.8843, 0.3126, 0.2678



60.6553, 0.3124, 0.2558



65.0236, 0.3356, 0.2936



18.2373, 0.3128, 0.3055



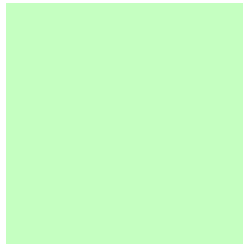
13.3472, 0.3048, 0.1453



1.3168, 0.3067, 0.1463

Previews

White Background



This preview shows how the Yxy color 87.2406, 0.3119, 0.3977 looks on a white background.

Color Contrast Check

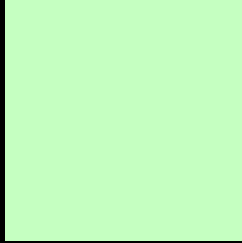
Large Text (above 18pt) WCAG AA × Fail

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 87.2406, 0.3119, 0.3977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

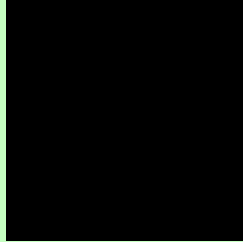
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

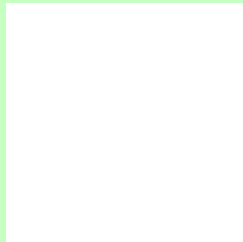
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.2406, 0.3119, 0.3977

Background



This preview shows how black text looks on a background with the Yxy color 87.2406, 0.3119, 0.3977.

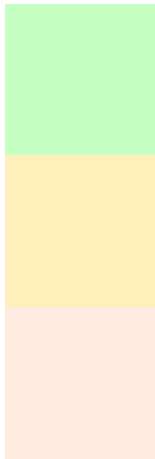


This preview shows how white text looks on a background with the Yxy color 87.2406, 0.3119, 0.3977.

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

87.2406, 0.3119, 0.3977

Protanopia

86.5809, 0.3570, 0.3812

Deuteranopia

86.6327, 0.3333, 0.3409



Tritanopia

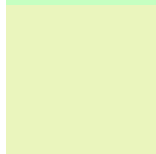
86.8508, 0.2926, 0.3167

Trichromacy



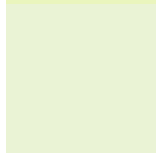
Original Color

87.2406, 0.3119, 0.3977



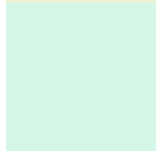
Protanomaly

86.4714, 0.3396, 0.3876



Deuteranomaly

86.3977, 0.3251, 0.3601



Tritanomaly

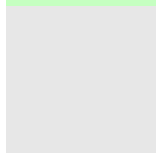
86.4939, 0.3001, 0.3448

Monochromacy



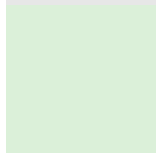
Original Color

87.2406, 0.3119, 0.3977



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.3900, 0.3129, 0.3536

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2406, 0.3119, 0.3977 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, 255, 193)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 193)  
}
```

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, 255, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 193) }
```

Border

The CSS property to change the border of an element to Yxy 87.2406, 0.3119, 0.3977 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, 255, 193) }
```

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

```
.border{ border-color:rgb(197, 255, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 255, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 193);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2406, 0.3119, 0.3977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 193) }
```

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

```
.background{ background-color: rgb(197,  
255, 193) }
```

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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