

Converting Colors

Yxy(87.0166, 0.3128, 0.4006)

Have a look what the booklet for
Yxy(87.0166, 0.3128, 0.4006)
contains.

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Color

Yxy(87.0174, 0.3124, 0.4002)

Conversions

Conversions Part 1

Format	Color
Hex	C4FFBF
RGB	196, 255, 191
RGB Percent	77%, 100%, 75%
CMY	0.2314, 0.0000, 0.2511
CMYK	0.23, 0.00, 0.25, 0.00
HSL	115°, 100%, 87%
HSV	115°, 25%, 100%
XYZ	67.9266, 87.0174, 62.4908
YIQ	230.0630, -14.6200, -32.4120

Conversions

Conversions Part 2

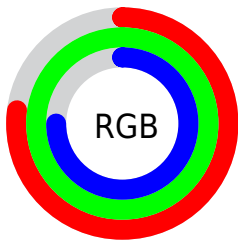
Format	Color
RYB	191, 255, 250
Decimal	12910527
CIELab	94.75, -30.32, 24.73
CIELCh	95, 39.130, 140.795
Yxy	87.0174, 0.3124, 0.4002
Android (android.graphics.Color)	4291100607 (0xFFC4FFBF)
YUV	230.0630, -19.2581, -29.8733
Hunter-Lab	93.2831, -33.2659, 25.5796

Details

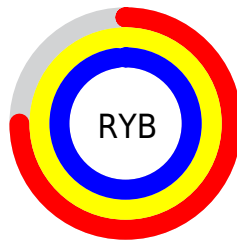
The Yxy color **87.0174, 0.3124, 0.4002** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.7902, 0.3119, 0.2656**, and the grayscale version is **79.3305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1800, 0.3155, 0.3357**, and **47.8570, 0.3115, 0.4177** is the 20% darker color. If you saturate the color by 10%, you get **83.0816, 0.3118, 0.4338**, and if you desaturate by 10%, it is **91.6402, 0.3127, 0.3694**.

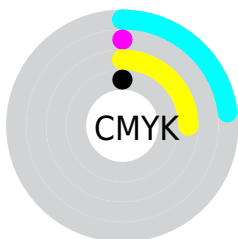
Distribution



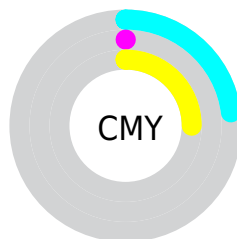
- Red (77%)
- Green (100%)
- Blue (75%)



- Red (75%)
- Yellow (100%)
- Blue (98%)



- Cyan (23%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.0174, 0.3124, 0.4002 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 87.0174, 0.3124, 0.4002 by changing the saturation by 10% instead.

 87.0174, 0.3124,
0.4002

 87.0174, 0.3124,
0.4002

518.2800, 0.3133,
0.3669

 65.5096, 0.3120,
0.4079


 143.1884, 0.3129,
0.3886

 47.8744, 0.3114,
0.4174

178.6204, 0.3130,
0.3841

 33.7274, 0.3105,
0.4295


219.4626, 0.3131,
0.3802

 22.6843, 0.3091,
0.4453

266.0993, 0.3132,
0.3768

 14.3606, 0.3067,
0.4668

318.9150, 0.3132,
0.3739

 8.3719, 0.3023,
0.4977

378.2941, 0.3133,

 4.3338, 0.2934,

0.3713

0.5451

444.6210, 0.3133,
0.3690

■ 1.8620, 0.2981,
0.6842

■ 0.5254, 0.0000,
1.0000

■ 87.0174, 0.3124,
0.4002

■ 87.0174, 0.3124,
0.4002

■ 83.0816, 0.3118,
0.4338

■ 91.6402, 0.3127,
0.3694

■ 79.8027, 0.3109,
0.4691

■ 96.9837, 0.3128,
0.3418

■ 77.1439, 0.3096,
0.5044

100.0000, 0.3127,
0.3290

■ 75.0661, 0.3079,
0.5370

■ 73.5255, 0.3060,
0.5645

■ 72.4723, 0.3039,
0.5845

■ 71.8471, 0.3020,
0.5959

■ 71.6689, 0.3013,
0.5990

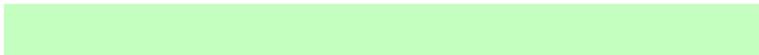
Harmonies

Analogous

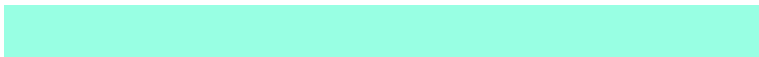
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0174, 0.3558, 0.4090



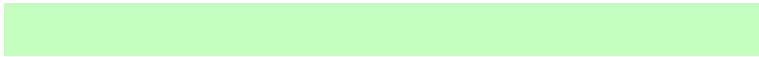
87.0174, 0.3124, 0.4002



87.0174, 0.2710, 0.3672

Triad

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



87.0174, 0.3124, 0.4002



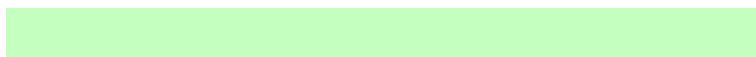
87.0174, 0.2400, 0.2628



87.0174, 0.3884, 0.3274

Complementary

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



87.0174, 0.3124, 0.4002



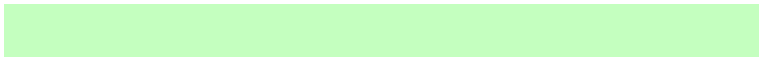
64.7902, 0.3119, 0.2656

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.



87.0174, 0.3531, 0.2941



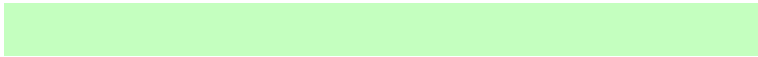
87.0174, 0.3124, 0.4002



87.0174, 0.2671, 0.2579

Square

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



87.0174, 0.3124, 0.4002



87.0174, 0.2312, 0.2853



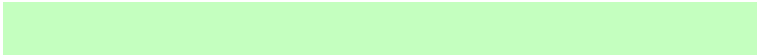
87.0174, 0.3080, 0.2694



87.0174, 0.4016, 0.3631

Rectangle

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



87.0174, 0.3124, 0.4002



87.0174, 0.2498, 0.3381



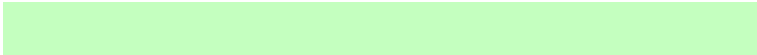
87.0174, 0.3080, 0.2694



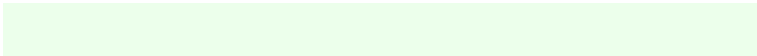
87.0174, 0.3786, 0.3157

Sweetspot

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



87.0165, 0.3124, 0.4002



95.3624, 0.3128, 0.3494



93.1835, 0.3520, 0.3871



20.2362, 0.3127, 0.3535



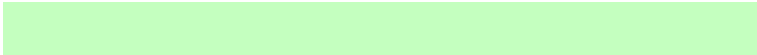
0.0000, 0.0000, 0.0000



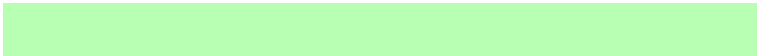
21.4041, 0.3127, 0.3290

Same Dimension

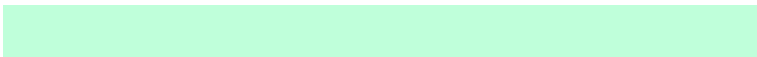
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.0165, 0.3124, 0.4002



85.0073, 0.3122, 0.4163



87.6370, 0.2950, 0.3701



20.2362, 0.3127, 0.3535



37.4724, 0.3017, 0.5987



3.6709, 0.3054, 0.5957

Inverse Universe

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



64.7902, 0.3119, 0.2656



59.3989, 0.3115, 0.2530



64.1304, 0.3357, 0.2913



18.2236, 0.3125, 0.3055



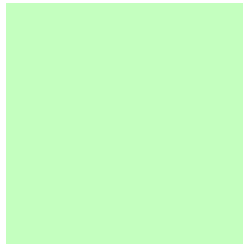
13.0304, 0.3012, 0.1433



1.2894, 0.3036, 0.1446

Previews

White Background



This preview shows how the Yxy color 87.0174, 0.3124, 0.4002 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 87.0174, 0.3124, 0.4002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

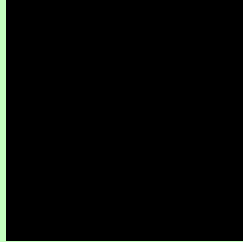
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

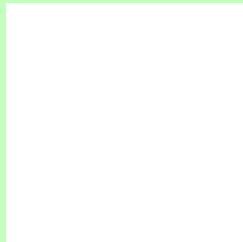
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.0174, 0.3124, 0.4002

Background



This preview shows how black text looks on a background with the Yxy color 87.0174, 0.3124, 0.4002.

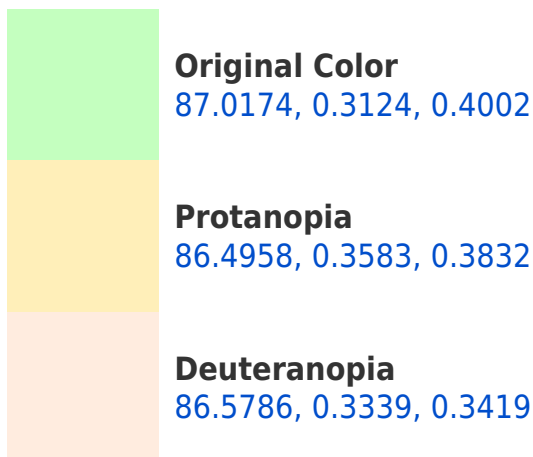


This preview shows how white text looks on a background with the Yxy color 87.0174, 0.3124, 0.4002.

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

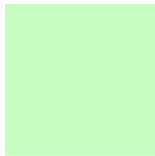




Tritanopia

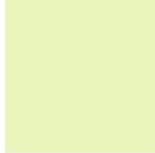
86.6933, 0.2920, 0.3167

Trichromacy



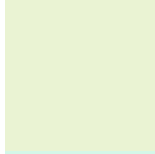
Original Color

87.0174, 0.3124, 0.4002



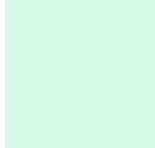
Protanomaly

86.3851, 0.3409, 0.3897



Deuteranomaly

86.2968, 0.3263, 0.3622



Tritanomaly

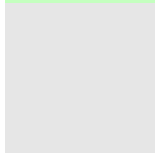
86.3448, 0.2995, 0.3449

Monochromacy



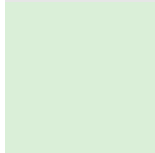
Original Color

87.0174, 0.3124, 0.4002



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.5963, 0.3129, 0.3537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.0174, 0.3124, 0.4002 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(196, 255, 191)` looks like.

```
.text, #text, p{  
    color:rgb(196, 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(196, 255, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 191) }
```

Border

The CSS property to change the border of an element to Yxy 87.0174, 0.3124, 0.4002 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(196, 255, 191) }
```

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

```
.border{ border-color:rgb(196, 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(196, 255, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 255, 191); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 255, 191); box-shadow:4px 4px 4px 4px rgb(196, 255, 191) }
```


Background

The CSS property to change the background color of an element to Yxy 87.0174, 0.3124, 0.4002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 191) }
```

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

```
.background{ background-color: rgb(196,  
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](#).

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