

Converting Colors

$Y_{xy}(191.2994, 0.3146, 0.5030)$

Have a look what the booklet for
Yxy(191.2994, 0.3146, 0.5030)
contains.

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Color

Yxy(87.0168, 0.3271, 0.4219)

Conversions

Conversions Part 1

Format	Color
Hex	CAFFAB
RGB	202, 255, 171
RGB Percent	79%, 100%, 67%
CMY	0.2079, 0.0000, 0.3294
CMYK	0.21, 0.00, 0.33, 0.00
HSL	98°, 100%, 84%
HSV	98°, 33%, 100%
XYZ	67.4643, 87.0168, 51.7687
YIQ	229.5770, -4.6240, -37.3600

Conversions

Conversions Part 2

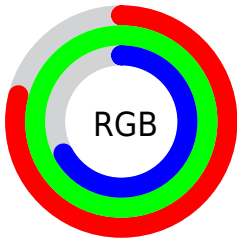
Format	Color
RYB	171, 255, 224
Decimal	13303723
CIELab	94.75, -31.34, 34.84
CIELCh	95, 46.861, 131.968
Yxy	87.0168, 0.3271, 0.4219
Android (android.graphics.Color)	4291493803 (0xFFCAFFAB)
YUV	229.5770, -28.8785, -24.1850
Hunter-Lab	93.2828, -34.1495, 32.3941

Details

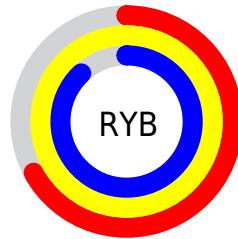
The Yxy color **87.0168, 0.3271, 0.4219** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **52.1977, 0.2921, 0.2407**, and the grayscale version is **79.0172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3261, 0.3292, 0.3562**, and **47.8992, 0.3289, 0.4439** is the 20% darker color. If you saturate the color by 10%, you get **84.0050, 0.3302, 0.4538**, and if you desaturate by 10%, it is **90.4460, 0.3232, 0.3912**.

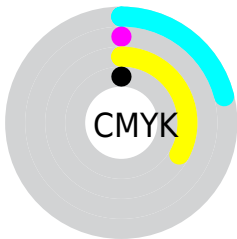
Distribution



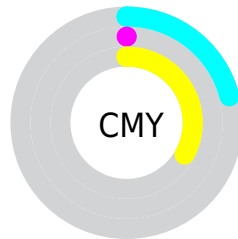
- Red (79%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (88%)



- Cyan (21%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.0168, 0.3271, 0.4219 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 87.0168, 0.3271, 0.4219 by changing the saturation by 10% instead.

 87.0168, 0.3271,
0.4219

 87.0168, 0.3271,
0.4219


518.2781, 0.3220,
0.3784

 65.5091, 0.3279,
0.4319


 143.1876, 0.3256,
0.4067

 47.8740, 0.3286,
0.4442


178.6194, 0.3250,
0.4009

 33.7271, 0.3293,
0.4598


219.4614, 0.3244,
0.3958

 22.6841, 0.3295,
0.4800

266.0980, 0.3238,
0.3914

 14.3604, 0.3288,
0.5071

318.9136, 0.3233,
0.3875

 8.3717, 0.3257,
0.5450


378.2925, 0.3228,


 4.3337, 0.3188,


0.3841


0.6049


444.6192, 0.3224,
0.3811


 1.8619, 0.2970,
0.7030


 0.5253, 0.0000,
1.0000


 87.0168, 0.3271,
0.4219


 87.0168, 0.3271,
0.4219


 84.0050, 0.3302,
0.4538


 90.4460, 0.3232,
0.3912

 81.3991, 0.3322,
0.4856

 94.3159, 0.3187,
0.3625

 79.1776, 0.3326,
0.5156

 98.6401, 0.3141,
0.3362

 77.3192, 0.3313,
0.5421

100.0000, 0.3127,
0.3290

■ 75.7999, 0.3281,
0.5632

■ 74.5920, 0.3233,
0.5778

■ 73.9023, 0.3194,
0.5846

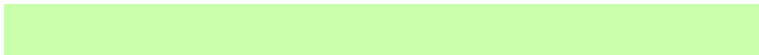
Harmonies

Analogous

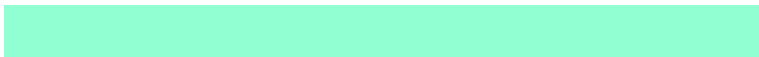
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0168, 0.3768, 0.4217



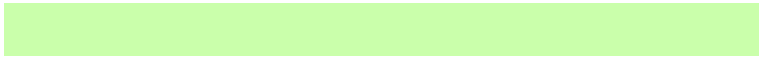
87.0168, 0.3271, 0.4219



87.0168, 0.2759, 0.3895

Triad

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



87.0168, 0.3271, 0.4219



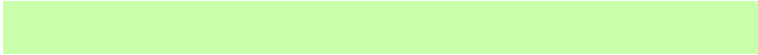
87.0168, 0.2216, 0.2558



87.0168, 0.3932, 0.3142

Complementary

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



87.0168, 0.3271, 0.4219



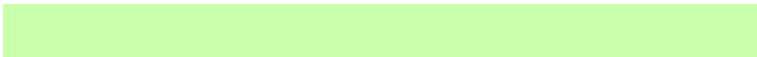
52.1977, 0.2921, 0.2407

Split Complementary

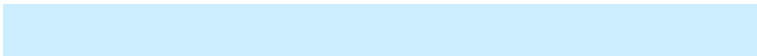
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.0168, 0.3452, 0.2779



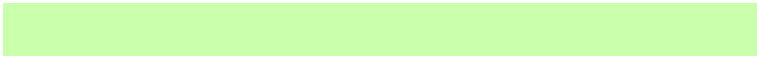
87.0168, 0.3271, 0.4219



87.0168, 0.2471, 0.2447

Square

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



87.0168, 0.3271, 0.4219



87.0168, 0.2179, 0.2878



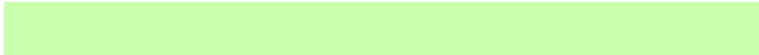
87.0168, 0.2912, 0.2531



87.0168, 0.4178, 0.3559

Rectangle

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



87.0168, 0.3271, 0.4219



87.0168, 0.2478, 0.3554



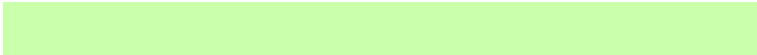
87.0168, 0.2912, 0.2531



87.0168, 0.3791, 0.3012

Sweetspot

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



87.0146, 0.3271, 0.4219



95.5393, 0.3174, 0.3545



76.8697, 0.3724, 0.3820



20.3231, 0.3180, 0.3583



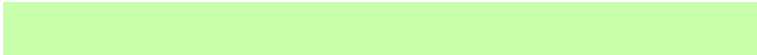
0.0000, 0.0000, 0.0000



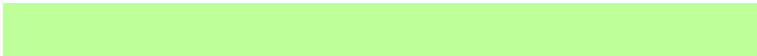
21.4041, 0.3127, 0.3290

Same Dimension

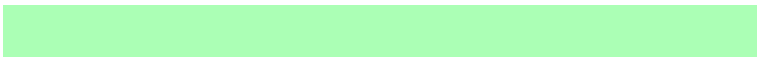
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.0146, 0.3271, 0.4219



84.8470, 0.3294, 0.4444



83.5064, 0.3030, 0.4157



20.4943, 0.3172, 0.3532



38.6929, 0.3206, 0.5837



3.8269, 0.3292, 0.5768

Inverse Universe

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



52.1977, 0.2921, 0.2407



44.8125, 0.2863, 0.2206



56.9920, 0.3242, 0.2555



17.9459, 0.3079, 0.3051



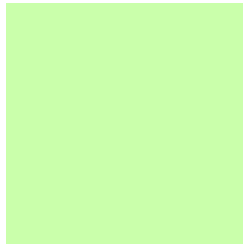
7.8169, 0.2300, 0.1040



0.8232, 0.2403, 0.1097

Previews

White Background



This preview shows how the Yxy color 87.0168, 0.3271, 0.4219 looks on a white background.

Color Contrast Check

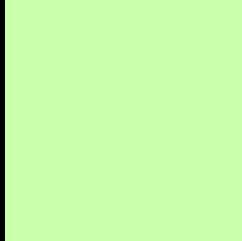
Large Text (above 18pt) WCAG AA × Fail

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 87.0168, 0.3271, 0.4219 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

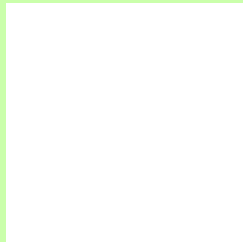
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.0168, 0.3271, 0.4219

Background



This preview shows how black text looks on a background with the Yxy color 87.0168, 0.3271, 0.4219.

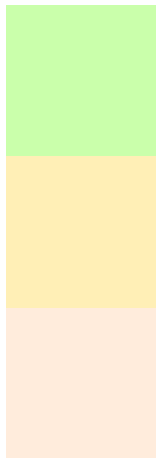


This preview shows how white text looks on a background with the Yxy color 87.0168, 0.3271, 0.4219.

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

87.0168, 0.3271, 0.4219

Protanopia

86.3704, 0.3602, 0.3863

Deuteranopia

86.4182, 0.3359, 0.3449



Tritanopia

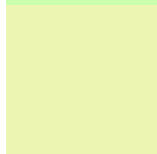
86.7318, 0.2944, 0.3158

Trichromacy



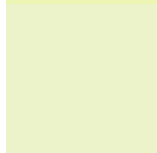
Original Color

87.0168, 0.3271, 0.4219



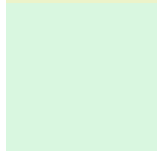
Protanomaly

86.3520, 0.3478, 0.3989



Deuteranomaly

86.1983, 0.3333, 0.3716



Tritanomaly

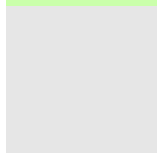
86.6551, 0.3071, 0.3533

Monochromacy



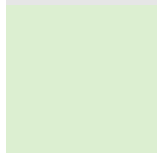
Original Color

87.0168, 0.3271, 0.4219



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.5521, 0.3185, 0.3613

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.0168, 0.3271, 0.4219 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(202, 255, 171)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 171)  
}
```

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(202, 255, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 171) }
```

Border

The CSS property to change the border of an element to Yxy 87.0168, 0.3271, 0.4219 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(202, 255, 171) }
```

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

```
.border{ border-color:rgb(202, 255, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 255, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 171);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 87.0168, 0.3271, 0.4219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 255, 171) }
```

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

```
.background{ background-color: rgb(202,  
255, 171) }
```

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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