

Converting Colors

$Yxy(87.7071, 0.3159, 0.4001)$

Have a look what the booklet for
Yxy(87.7071, 0.3159, 0.4001)
contains.

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Color

Yxy(87.6552, 0.3160, 0.4006)

Conversions

Conversions Part 1

Format	Color
Hex	C9FFBE
RGB	201, 255, 190
RGB Percent	79%, 100%, 75%
CMY	0.2118, 0.0000, 0.2548
CMYK	0.21, 0.00, 0.25, 0.00
HSL	110°, 100%, 87%
HSV	110°, 25%, 100%
XYZ	69.1439, 87.6552, 62.0107
YIQ	231.4440, -11.3190, -31.6630

Conversions

Conversions Part 2

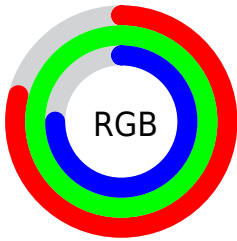
Format	Color
R _Y B	190, 255, 244
Decimal	13238206
CIE Lab	95.02, -28.83, 25.63
CIE LCh	95, 38.573, 138.367
Yxy	87.6552, 0.3160, 0.4006
Android (android.graphics.Color)	4291428286 (0xFFC9FFBE)
YUV	231.4440, -20.4319, -26.6994
Hunter-Lab	93.6244, -32.0160, 26.2672

Details

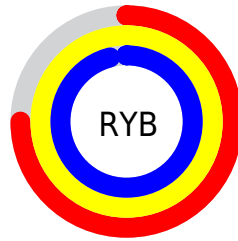
The Yxy color **87.6552, 0.3160, 0.4006** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.3041, 0.3074, 0.2637**, and the grayscale version is **80.4225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4954, 0.3173, 0.3367**, and **48.2767, 0.3161, 0.4181** is the 20% darker color. If you saturate the color by 10%, you get **83.8989, 0.3167, 0.4335**, and if you desaturate by 10%, it is **92.0144, 0.3149, 0.3702**.

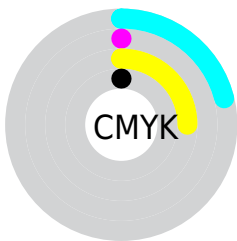
Distribution



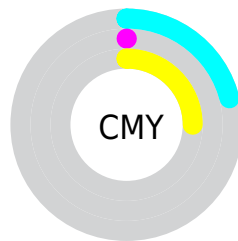
- Red (79%)
- Green (100%)
- Blue (75%)



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



- Cyan (21%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.6552, 0.3160, 0.4006 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 87.6552, 0.3160, 0.4006 by changing the saturation by 10% instead.


 87.6552, 0.3160,
0.4006

 87.6552, 0.3160,
0.4006

520.3734, 0.3153,
0.3672

 66.0376, 0.3160,
0.4083


 144.0770, 0.3159,
0.3890

 48.3029, 0.3158,
0.4178


179.6500, 0.3158,
0.3845

 34.0668, 0.3154,
0.4298

220.6435, 0.3158,
0.3806

 22.9449, 0.3147,
0.4455

267.4420, 0.3157,
0.3772

 14.5528, 0.3132,
0.4668

320.4299, 0.3156,
0.3742

 8.5062, 0.3100,
0.4973

379.9914, 0.3155,

 4.4205, 0.3029,

0.3716

0.5436

446.5112, 0.3154,
0.3693

1.9115, 0.3124,
0.6811

0.5553, 0.0000,
1.0000

87.6552, 0.3160,
0.4006

87.6552, 0.3160,
0.4006

83.8989, 0.3167,
0.4335

92.0144, 0.3149,
0.3702

80.7153, 0.3168,
0.4679

96.9979, 0.3135,
0.3427

78.0768, 0.3161,
0.5021

100.0000, 0.3127,
0.3290

75.9521, 0.3146,
0.5339

■ 74.3069, 0.3123,
0.5609

■ 73.1020, 0.3092,
0.5810

■ 72.2917, 0.3058,
0.5931

■ 72.0339, 0.3044,
0.5965

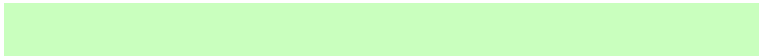
Harmonies

Analogous

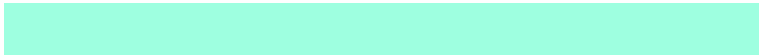
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6552, 0.3583, 0.4072



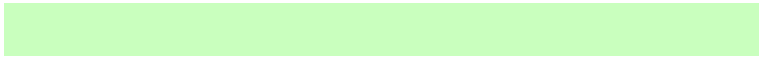
87.6552, 0.3160, 0.4006



87.6552, 0.2746, 0.3698

Triad

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



87.6552, 0.3160, 0.4006



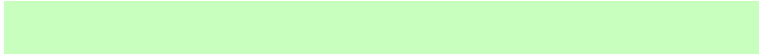
87.6552, 0.2398, 0.2650



87.6552, 0.3850, 0.3247

Complementary

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



87.6552, 0.3160, 0.4006



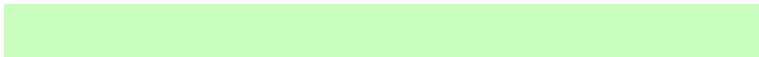
63.3041, 0.3074, 0.2637

Split Complementary

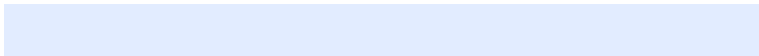
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.6552, 0.3490, 0.2923



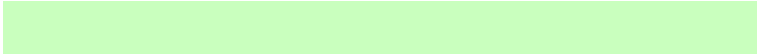
87.6552, 0.3160, 0.4006



87.6552, 0.2651, 0.2587

Square

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



87.6552, 0.3160, 0.4006



87.6552, 0.2326, 0.2886



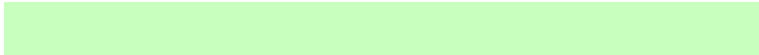
87.6552, 0.3045, 0.2688



87.6552, 0.4000, 0.3599

Rectangle

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



87.6552, 0.3160, 0.4006



87.6552, 0.2530, 0.3415



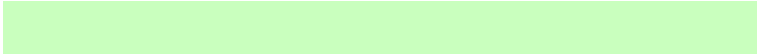
87.6552, 0.3045, 0.2688



87.6552, 0.3748, 0.3133

Sweetspot

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



87.6564, 0.3160, 0.4006



95.6793, 0.3139, 0.3493



89.1347, 0.3541, 0.3820



20.3153, 0.3141, 0.3534



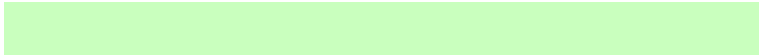
0.0000, 0.0000, 0.0000



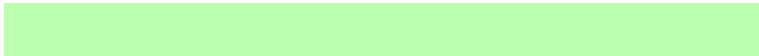
21.4041, 0.3127, 0.3290

Same Dimension

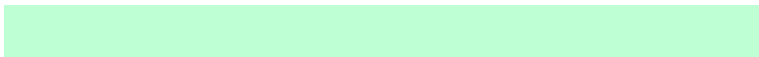
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.6564, 0.3160, 0.4006



85.5079, 0.3164, 0.4185



87.1557, 0.2982, 0.3782



20.3153, 0.3141, 0.3534



37.6820, 0.3051, 0.5960



3.7081, 0.3114, 0.5909

Inverse Universe

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



63.3041, 0.3074, 0.2637



57.0691, 0.3059, 0.2491



64.0687, 0.3311, 0.2844



18.1362, 0.3111, 0.3054



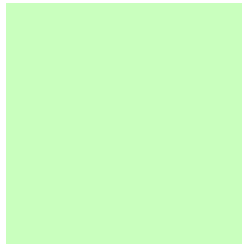
11.1423, 0.2785, 0.1308



1.1241, 0.2836, 0.1336

Previews

White Background



This preview shows how the Yxy color 87.6552, 0.3160, 0.4006 looks on a white background.

Color Contrast Check

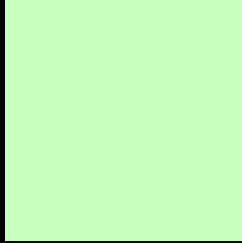
Large Text (above 18pt) WCAG AA × Fail

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 87.6552, 0.3160, 0.4006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

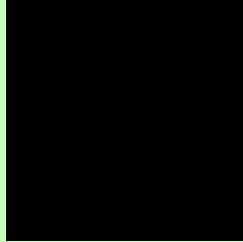
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

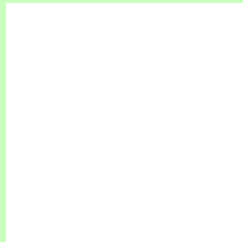
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.6552, 0.3160, 0.4006

Background



This preview shows how black text looks on a background with the Yxy color 87.6552, 0.3160, 0.4006.

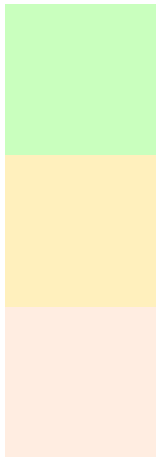


This preview shows how white text looks on a background with the Yxy color 87.6552, 0.3160, 0.4006.

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

87.6552, 0.3160, 0.4006

Protanopia

87.2543, 0.3555, 0.3802

Deuteranopia

87.2646, 0.3325, 0.3409



Tritanopia

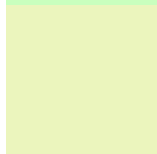
87.3287, 0.2944, 0.3168

Trichromacy



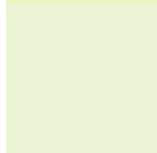
Original Color

87.6552, 0.3160, 0.4006



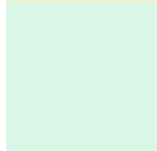
Protanomaly

86.6411, 0.3403, 0.3875



Deuteranomaly

87.1170, 0.3263, 0.3621



Tritanomaly

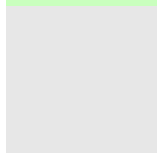
86.8900, 0.3025, 0.3458

Monochromacy



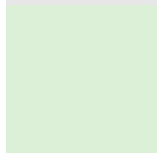
Original Color

87.6552, 0.3160, 0.4006



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 87.6552, 0.3160, 0.4006 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(201, 255, 190)` looks like.

```
.text, #text, p{  
    color:rgb(201, 255, 190)  
}
```

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(201, 255, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 190) }
```

Border

The CSS property to change the border of an element to Yxy 87.6552, 0.3160, 0.4006 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(201, 255, 190) }
```

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

```
.border{ border-color:rgb(201, 255, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 255, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 190);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6552, 0.3160, 0.4006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 255, 190) }
```

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

```
.background{ background-color: rgb(201,  
255, 190) }
```

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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