

Converting Colors

$Yxy(87.9005, 0.3134, 0.3949)$

Have a look what the booklet for
Yxy(87.9005, 0.3134, 0.3949)
contains.

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Color

Yxy(87.8776, 0.3133, 0.3950)

Conversions

Conversions Part 1

Format	Color
Hex	C9FFC3
RGB	201, 255, 195
RGB Percent	79%, 100%, 76%
CMY	0.2116, 0.0000, 0.2354
CMYK	0.21, 0.00, 0.24, 0.00
HSL	114°, 100%, 88%
HSV	114°, 24%, 100%
XYZ	69.7014, 87.8776, 64.8959
YIQ	232.0140, -12.9240, -30.1080

Conversions

Conversions Part 2

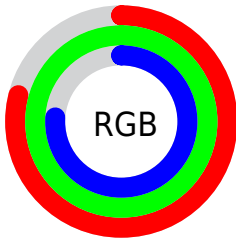
Format	Color
RYB	195, 255, 249
Decimal	13238211
CIELab	95.11, -28.03, 23.26
CIElCh	95, 36.421, 140.318
Yxy	87.8776, 0.3133, 0.3950
Android (android.graphics.Color)	4291428291 (0xFFC9FFC3)
YUV	232.0140, -18.2479, -27.1993
Hunter-Lab	93.7431, -31.3290, 24.5752

Details

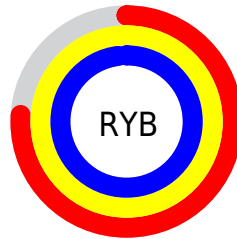
The Yxy color **87.8776, 0.3133, 0.3950** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.3609, 0.3109, 0.2694**, and the grayscale version is **80.8584, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8083, 0.3144, 0.3319**, and **48.4222, 0.3127, 0.4108** is the 20% darker color. If you saturate the color by 10%, you get **83.8807, 0.3131, 0.4281**, and if you desaturate by 10%, it is **92.5525, 0.3132, 0.3648**.

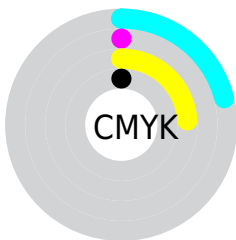
Distribution



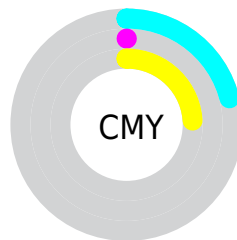
- Red (79%)
- Green (100%)
- Blue (76%)



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



- Cyan (21%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)




- Cyan (21%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.8776, 0.3133, 0.3950 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 87.8776, 0.3133, 0.3950 by changing the saturation by 10% instead.

 87.8776, 0.3133,
0.3950

 87.8776, 0.3133,
0.3950


521.1023, 0.3137,
0.3643

 66.2217, 0.3130,
0.4021

144.3867, 0.3136,
0.3843

 48.4524, 0.3127,
0.4108


180.0088, 0.3136,
0.3802

 34.1853, 0.3120,
0.4218


221.0550, 0.3137,
0.3766

 23.0360, 0.3110,
0.4363

267.9097, 0.3137,
0.3735

 14.6201, 0.3092,
0.4559

320.9575, 0.3137,
0.3707

 8.5532, 0.3058,
0.4840


380.5825, 0.3137,


 4.4509, 0.2989,

0.3683

0.5271

447.1694, 0.3137,
0.3662


 1.9289, 0.2993,
0.6363

 0.5656, 0.0000,
1.0000


 87.8776, 0.3133,
0.3950

 87.8776, 0.3133,
0.3950


 83.8807, 0.3131,
0.4281


 92.5525, 0.3132,
0.3648

 80.5204, 0.3125,
0.4630

 97.9237, 0.3129,
0.3378

 77.7667, 0.3114,
0.4981

 100.0000, 0.3127,
0.3290

 75.5833, 0.3098,
0.5312

■ 73.9299, 0.3078,
0.5596

■ 72.7606, 0.3055,
0.5810

■ 72.0219, 0.3031,
0.5940

■ 71.7369, 0.3019,
0.5985

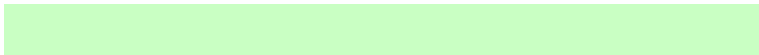
Harmonies

Analogous

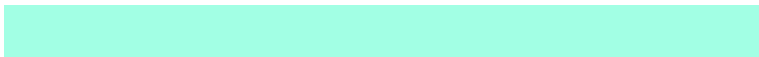
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8776, 0.3535, 0.4030



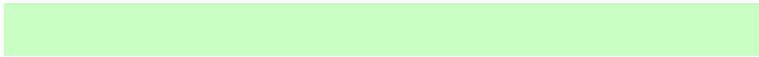
87.8776, 0.3133, 0.3950



87.8776, 0.2746, 0.3650

Triad

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



87.8776, 0.3133, 0.3950



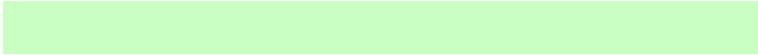
87.8776, 0.2447, 0.2676



87.8776, 0.3824, 0.3272

Complementary

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



87.8776, 0.3133, 0.3950



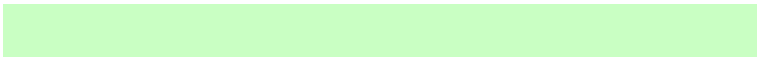
66.3609, 0.3109, 0.2694

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.



87.8776, 0.3496, 0.2961



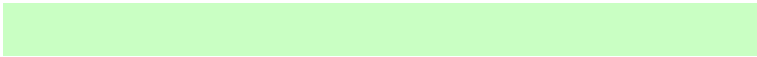
87.8776, 0.3133, 0.3950



87.8776, 0.2698, 0.2625

Square

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



87.8776, 0.3133, 0.3950



87.8776, 0.2367, 0.2891



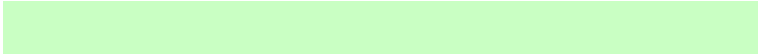
87.8776, 0.3078, 0.2730



87.8776, 0.3951, 0.3606

Rectangle

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



87.8776, 0.3133, 0.3950



87.8776, 0.2546, 0.3382



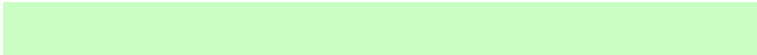
87.8776, 0.3078, 0.2730



87.8776, 0.3733, 0.3163

Sweetspot

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



87.8811, 0.3133, 0.3950



95.9862, 0.3130, 0.3467



92.3308, 0.3499, 0.3816



20.4745, 0.3130, 0.3483



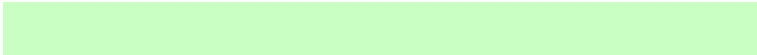
0.0000, 0.0000, 0.0000



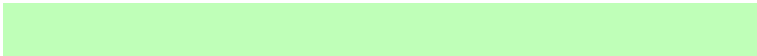
21.4041, 0.3127, 0.3290

Same Dimension

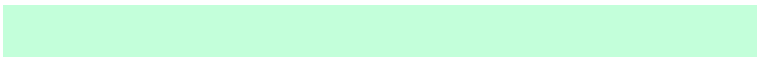
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.8811, 0.3133, 0.3950



86.0172, 0.3133, 0.4094



88.1782, 0.2971, 0.3694



20.2560, 0.3131, 0.3535



37.5127, 0.3023, 0.5981



3.6803, 0.3069, 0.5945

Inverse Universe

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



66.3609, 0.3109, 0.2694



61.2510, 0.3104, 0.2579



66.0998, 0.3324, 0.2918



18.2015, 0.3122, 0.3055



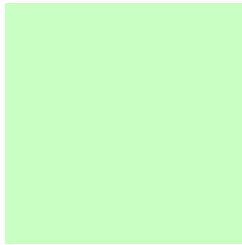
12.5327, 0.2955, 0.1402



1.2461, 0.2986, 0.1419

Previews

White Background



This preview shows how the Yxy color 87.8776, 0.3133, 0.3950 looks on a white background.

Color Contrast Check

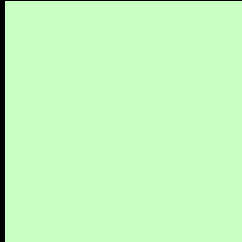
Large Text (above 18pt) WCAG AA × Fail

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 87.8776, 0.3133, 0.3950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

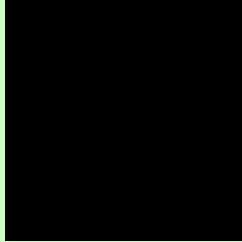
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

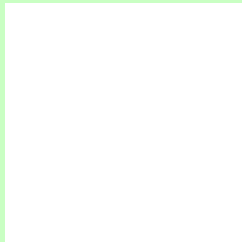
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.8776, 0.3133, 0.3950

Background



This preview shows how black text looks on a background with the Yxy color 87.8776, 0.3133, 0.3950.

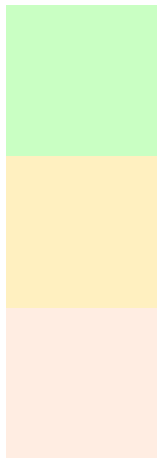


This preview shows how white text looks on a background with the Yxy color 87.8776, 0.3133, 0.3950.

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

87.8776, 0.3133, 0.3950

Protanopia

87.3859, 0.3535, 0.3771

Deuteranopia

87.3194, 0.3319, 0.3399



Tritanopia

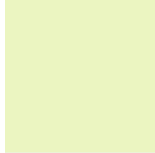
87.3287, 0.2944, 0.3168

Trichromacy



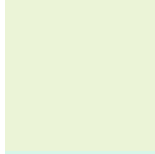
Original Color

87.8776, 0.3133, 0.3950



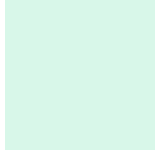
Protanomaly

86.8172, 0.3379, 0.3832



Deuteranomaly

87.2698, 0.3244, 0.3590



Tritanomaly

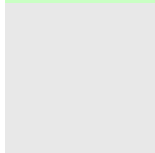
87.0037, 0.3013, 0.3437

Monochromacy



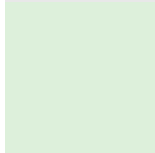
Original Color

87.8776, 0.3133, 0.3950



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.8068, 0.3130, 0.3513

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.8776, 0.3133, 0.3950 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, 195)` looks like.

```
.text, #text, p{  
    color:rgb(201, 255, 195)  
}
```

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, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 195) }
```

Border

The CSS property to change the border of an element to Yxy 87.8776, 0.3133, 0.3950 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, 195) }
```

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

```
.border{ border-color:rgb(201, 255, 195) }
```

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, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 195);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 87.8776, 0.3133, 0.3950 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, 195) }
```

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

```
.background{ background-color: rgb(201,  
255, 195) }
```

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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