

Converting Colors

$Y_{xy}(173.8777, 0.3085, 0.4759)$

Have a look what the booklet for
Yxy(173.8777, 0.3085, 0.4759)
contains.

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Color

Yxy(87.8325, 0.3138, 0.3961)

Conversions

Conversions Part 1

Format	Color
Hex	C9FFC2
RGB	201, 255, 194
RGB Percent	79%, 100%, 76%
CMY	0.2118, 0.0000, 0.2392
CMYK	0.21, 0.00, 0.24, 0.00
HSL	113°, 100%, 88%
HSV	113°, 24%, 100%
XYZ	69.5830, 87.8325, 64.3277
YIQ	231.9000, -12.6030, -30.4190

Conversions

Conversions Part 2

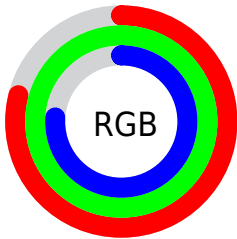
Format	Color
RYB	194, 255, 248
Decimal	13238210
CIELab	95.09, -28.20, 23.72
CIELCh	95, 36.849, 139.940
Yxy	87.8325, 0.3138, 0.3961
Android (android.graphics.Color)	4291428290 (0xFFC9FFC2)
YUV	231.9000, -18.6847, -27.0993
Hunter-Lab	93.7190, -31.4783, 24.9073

Details

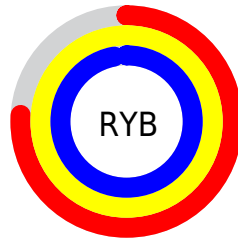
The Yxy color **87.8325, 0.3138, 0.3961** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.7664, 0.3103, 0.2683**, and the grayscale version is **80.7642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.7450, 0.3150, 0.3328**, and **48.3926, 0.3133, 0.4122** is the 20% darker color. If you saturate the color by 10%, you get **83.8795, 0.3138, 0.4291**, and if you desaturate by 10%, it is **92.4399, 0.3135, 0.3658**.

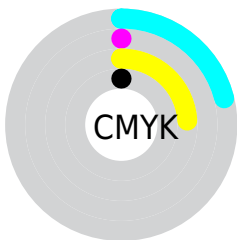
Distribution



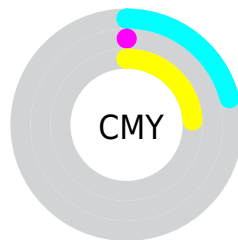
- Red (79%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (97%)



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.8325, 0.3138, 0.3961 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 87.8325, 0.3138, 0.3961 by changing the saturation by 10% instead.


 87.8325, 0.3138,
0.3961

 87.8325, 0.3138,
0.3961


520.9546, 0.3140,
0.3648

 66.1844, 0.3136,
0.4033


144.3239, 0.3140,
0.3852

 48.4221, 0.3132,
0.4121


179.9360, 0.3140,
0.3810

 34.1613, 0.3127,
0.4234

220.9716, 0.3141,
0.3774

 23.0175, 0.3117,
0.4381

267.8149, 0.3141,
0.3742

 14.6064, 0.3099,
0.4581

320.8505, 0.3141,
0.3714

 8.5436, 0.3066,
0.4866

380.4627, 0.3140,

 4.4447, 0.2996,

0.3690

0.5304

447.0359, 0.3140,
0.3668

1.9253, 0.3015,
0.6446

0.5635, 0.0000,
1.0000

87.8325, 0.3138,
0.3961

87.8325, 0.3138,
0.3961

83.8795, 0.3138,
0.4291

92.4399, 0.3135,
0.3658

80.5541, 0.3133,
0.4640

97.7332, 0.3130,
0.3387

77.8230, 0.3123,
0.4989

100.0000, 0.3127,
0.3290

75.6507, 0.3107,
0.5318

■ 73.9982, 0.3087,
0.5599

■ 72.8212, 0.3062,
0.5811

■ 72.0679, 0.3036,
0.5939

■ 71.7840, 0.3023,
0.5982

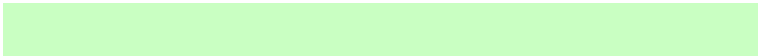
Harmonies

Analogous

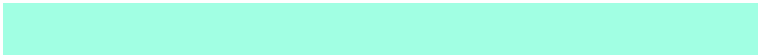
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8325, 0.3544, 0.4039



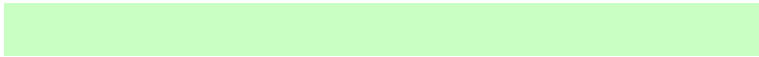
87.8325, 0.3138, 0.3961



87.8325, 0.2746, 0.3659

Triad

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



87.8325, 0.3138, 0.3961



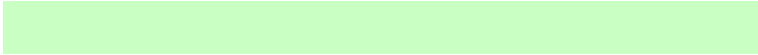
87.8325, 0.2437, 0.2670



87.8325, 0.3830, 0.3268

Complementary

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



87.8325, 0.3138, 0.3961



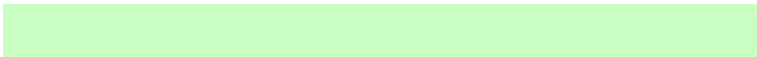
65.7664, 0.3103, 0.2683

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.



87.8325, 0.3495, 0.2954



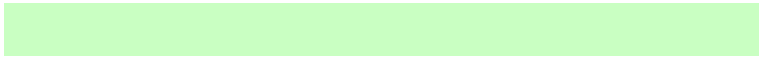
87.8325, 0.3138, 0.3961



87.8325, 0.2689, 0.2618

Square

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



87.8325, 0.3138, 0.3961



87.8325, 0.2359, 0.2890



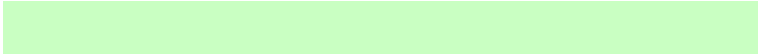
87.8325, 0.3072, 0.2722



87.8325, 0.3961, 0.3605

Rectangle

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



87.8325, 0.3138, 0.3961



87.8325, 0.2542, 0.3388



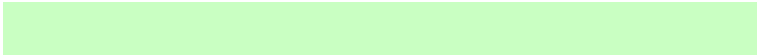
87.8325, 0.3072, 0.2722



87.8325, 0.3736, 0.3157

Sweetspot

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



87.8314, 0.3138, 0.3961



96.0276, 0.3132, 0.3467



92.2190, 0.3505, 0.3825



20.4840, 0.3132, 0.3483



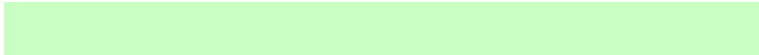
0.0000, 0.0000, 0.0000



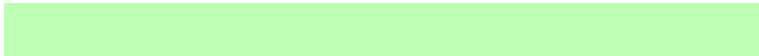
21.4041, 0.3127, 0.3290

Same Dimension

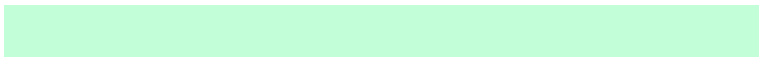
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.8314, 0.3138, 0.3961



85.7431, 0.3138, 0.4126



88.0202, 0.2968, 0.3702



20.2677, 0.3133, 0.3535



37.5401, 0.3028, 0.5978



3.6858, 0.3078, 0.5938

Inverse Universe

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



65.7664, 0.3103, 0.2683



59.9777, 0.3096, 0.2551



65.6513, 0.3328, 0.2912



18.1886, 0.3120, 0.3055



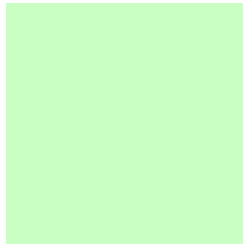
12.2471, 0.2921, 0.1383



1.2212, 0.2956, 0.1402

Previews

White Background



This preview shows how the Yxy color 87.8325, 0.3138, 0.3961 looks on a white background.

Color Contrast Check

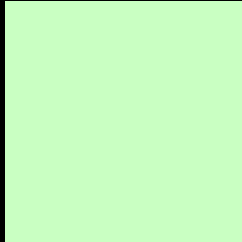
Large Text (above 18pt) WCAG AA × Fail

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 87.8325, 0.3138, 0.3961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

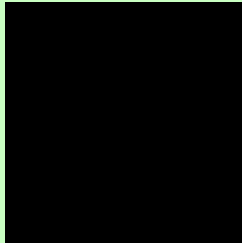
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

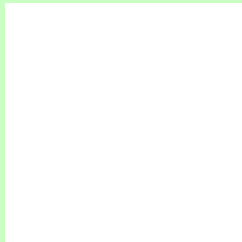
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.8325, 0.3138, 0.3961

Background



This preview shows how black text looks on a background with the Yxy color 87.8325, 0.3138, 0.3961.

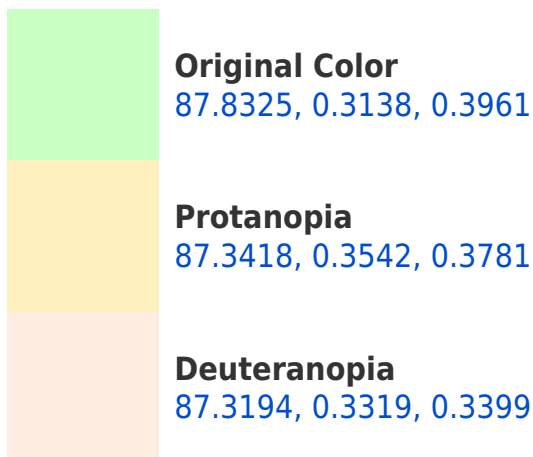


This preview shows how white text looks on a background with the Yxy color 87.8325, 0.3138, 0.3961.

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

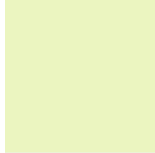
87.3287, 0.2944, 0.3168

Trichromacy



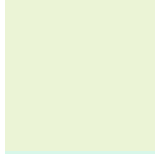
Original Color

87.8325, 0.3138, 0.3961



Protanomaly

86.7728, 0.3385, 0.3843



Deuteranomaly

87.2186, 0.3250, 0.3600



Tritanomaly

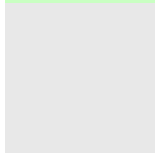
87.0037, 0.3013, 0.3437

Monochromacy



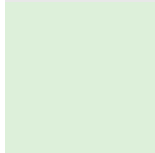
Original Color

87.8325, 0.3138, 0.3961



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.7543, 0.3136, 0.3524

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.8325, 0.3138, 0.3961 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, 194)` looks like.

```
.text, #text, p{  
    color:rgb(201, 255, 194)  
}
```

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, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 194) }
```

Border

The CSS property to change the border of an element to Yxy 87.8325, 0.3138, 0.3961 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, 194) }
```

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

```
.border{ border-color:rgb(201, 255, 194) }
```

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, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 87.8325, 0.3138, 0.3961 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, 194) }
```

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

```
.background{ background-color: rgb(201,  
255, 194) }
```

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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