

Converting Colors

$Yxy(87.7175, 0.3025, 0.3804)$

Have a look what the booklet for
Yxy(87.7175, 0.3025, 0.3804)
contains.

Yxy(87.6762, 0.3025, 0.3808)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.6762, 0.3025, 0.3808)

Conversions

Conversions Part 1

Format	Color
Hex	C3FFD0
RGB	195, 255, 208
RGB Percent	76%, 100%, 82%
CMY	0.2353, 0.0000, 0.1844
CMYK	0.24, 0.00, 0.18, 0.00
HSL	133°, 100%, 88%
HSV	133°, 24%, 100%
XYZ	69.6482, 87.6762, 72.9177
YIQ	231.7020, -20.6730, -27.3370

Conversions

Conversions Part 2

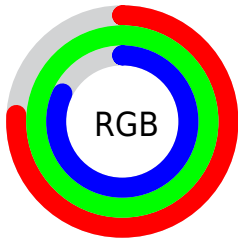
Format	Color
RYB	195, 244, 255
Decimal	12845008
CIELab	95.02, -27.78, 16.44
CIElCh	95, 32.279, 149.379
Yxy	87.6762, 0.3025, 0.3808
Android (android.graphics.Color)	4291035088 (0xFFC3FFD0)
YUV	231.7020, -11.6851, -32.1877
Hunter-Lab	93.6356, -31.0899, 19.3735

Details

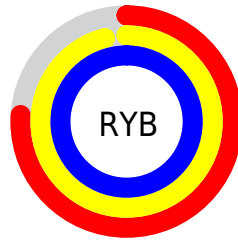
The Yxy color **87.6762, 0.3025, 0.3808** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.6993, 0.3249, 0.2822**, and the grayscale version is **80.5593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4354, 0.3109, 0.3290**, and **48.2967, 0.2993, 0.3924** is the 20% darker color. If you saturate the color by 10%, you get **83.6411, 0.2984, 0.4071**, and if you desaturate by 10%, it is **92.4126, 0.3068, 0.3570**.

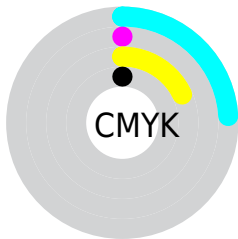
Distribution



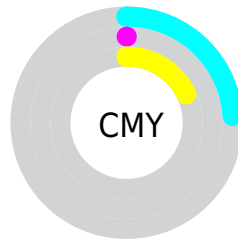
- Red (76%)
- Green (100%)
- Blue (82%)



- Red (76%)
- Yellow (96%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (24%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.6762, 0.3025, 0.3808 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 87.6762, 0.3025, 0.3808 by changing the saturation by 10% instead.


 87.6762, 0.3025,
0.3808

 87.6762, 0.3025,
0.3808


520.4423, 0.3075,
0.3568

 66.0549, 0.3013,
0.3863


 144.1063, 0.3043,
0.3724

 48.3170, 0.2998,
0.3931


179.6839, 0.3050,
0.3692

 34.0780, 0.2978,
0.4018


220.6824, 0.3055,
0.3664

 22.9535, 0.2951,
0.4131

267.4862, 0.3060,
0.3640

 14.5592, 0.2914,
0.4284

320.4797, 0.3065,
0.3618

 8.5106, 0.2856,
0.4506

380.0473, 0.3069,

 4.4234, 0.2761,

0.3599

0.4851

446.5733, 0.3072,
0.3583

■ 1.9131, 0.2599,
0.5499

■ 0.5562, 0.0000,
1.0000

■ 87.6762, 0.3025,
0.3808

■ 87.6762, 0.3025,
0.3808

■ 83.6411, 0.2984,
0.4071

■ 92.4126, 0.3068,
0.3570

■ 80.2772, 0.2948,
0.4356

■ 97.8859, 0.3112,
0.3358

■ 77.5461, 0.2919,
0.4654

■ 100.0000, 0.3127,
0.3290

■ 75.4074, 0.2901,
0.4953

■ 73.8156, 0.2896,
0.5237

■ 72.7187, 0.2905,
0.5490

■ 72.0536, 0.2927,
0.5695

■ 71.7979, 0.2944,
0.5798

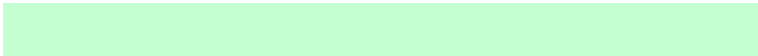
Harmonies

Analogous

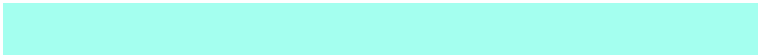
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6762, 0.3389, 0.3945



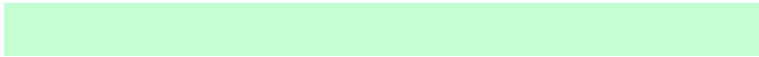
87.6762, 0.3025, 0.3808



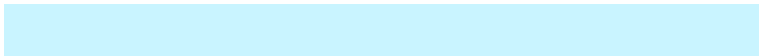
87.6762, 0.2701, 0.3504

Triad

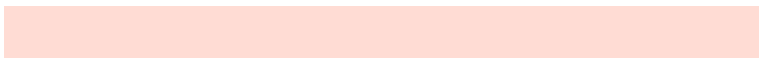
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.6762, 0.3025, 0.3808



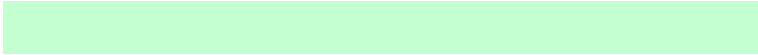
87.6762, 0.2573, 0.2713



87.6762, 0.3800, 0.3369

Complementary

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



87.6762, 0.3025, 0.3808



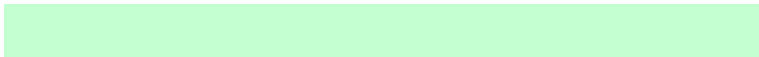
66.6993, 0.3249, 0.2822

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.



87.6762, 0.3556, 0.3076



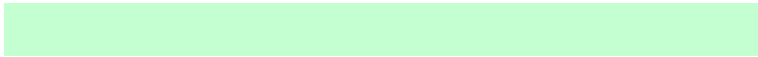
87.6762, 0.3025, 0.3808



87.6762, 0.2839, 0.2709

Square

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



87.6762, 0.3025, 0.3808



87.6762, 0.2452, 0.2865



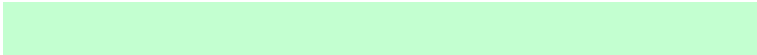
87.6762, 0.3198, 0.2841



87.6762, 0.3850, 0.3660

Rectangle

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



87.6762, 0.3025, 0.3808



87.6762, 0.2548, 0.3265



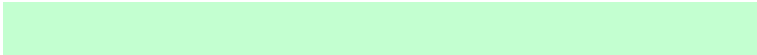
87.6762, 0.3198, 0.2841



87.6762, 0.3738, 0.3268

Sweetspot

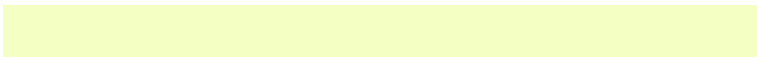
The Sweet Spot groups the original color and five complimentary colors.



87.6749, 0.3025, 0.3808



95.9021, 0.3097, 0.3429



94.5144, 0.3404, 0.3896



20.4551, 0.3094, 0.3441



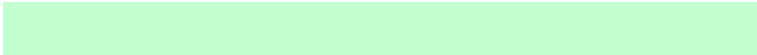
0.0000, 0.0000, 0.0000



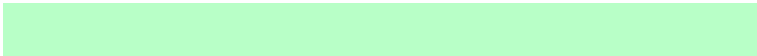
21.4041, 0.3127, 0.3290

Same Dimension

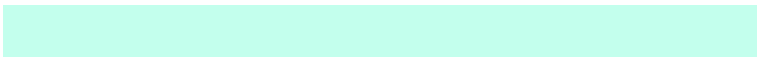
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.6749, 0.3025, 0.3808



85.7873, 0.3006, 0.3923



89.2358, 0.2870, 0.3482



20.2325, 0.3086, 0.3482



37.5337, 0.2937, 0.5774



3.6698, 0.2882, 0.5574

Inverse Universe

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



66.6993, 0.3249, 0.2822



61.6390, 0.3277, 0.2731



65.0920, 0.3473, 0.3107



18.2291, 0.3171, 0.3106



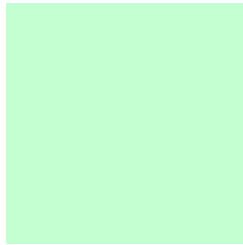
13.3056, 0.3848, 0.1893



1.3115, 0.3760, 0.1845

Previews

White Background



This preview shows how the Yxy color 87.6762, 0.3025, 0.3808 looks on a white background.

Color Contrast Check

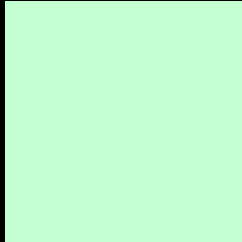
Large Text (above 18pt) WCAG AA × Fail

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 87.6762, 0.3025, 0.3808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

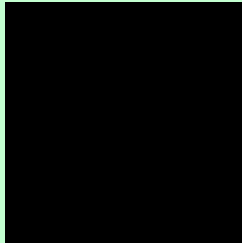
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

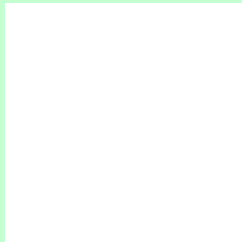
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.6762, 0.3025, 0.3808

Background



This preview shows how black text looks on a background with the Yxy color 87.6762, 0.3025, 0.3808.

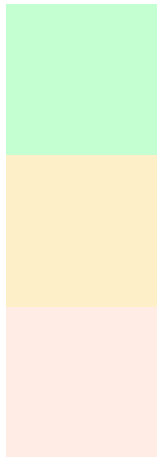


This preview shows how white text looks on a background with the Yxy color 87.6762, 0.3025, 0.3808.

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

87.6762, 0.3025, 0.3808

Protanopia

86.7858, 0.3471, 0.3683

Deuteranopia

86.9080, 0.3300, 0.3360



Tritanopia

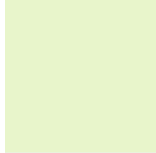
87.4510, 0.2926, 0.3178

Trichromacy



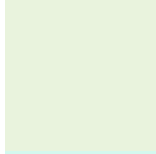
Original Color

87.6762, 0.3025, 0.3808



Protanomaly

86.7724, 0.3297, 0.3729



Deuteranomaly

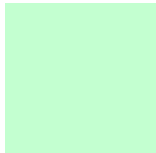
86.6453, 0.3195, 0.3517



Tritanomaly

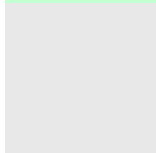
87.3049, 0.2961, 0.3395

Monochromacy



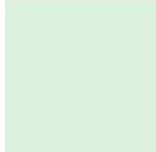
Original Color

87.6762, 0.3025, 0.3808



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.7080, 0.3093, 0.3471

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.6762, 0.3025, 0.3808 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(195, 255, 208)` looks like.

```
.text, #text, p{  
    color:rgb(195, 255, 208)  
}
```

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(195, 255, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 255, 208) }
```

Border

The CSS property to change the border of an element to Yxy 87.6762, 0.3025, 0.3808 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(195, 255, 208) }
```

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

```
.border{ border-color:rgb(195, 255, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 255, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 255, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 255, 208);  
box-shadow:4px 4px 4px 4px rgb(195, 255,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6762, 0.3025, 0.3808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 255, 208) }
```

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

```
.background{ background-color: rgb(195,  
255, 208) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor