

Converting Colors

$Yxy(87.5557, 0.3027, 0.3794)$

Have a look what the booklet for
Yxy(87.5557, 0.3027, 0.3794)
contains.

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Color

Yxy(87.8592, 0.3025, 0.3796)

Conversions

Conversions Part 1

Format	Color
Hex	C4FFD1
RGB	196, 255, 209
RGB Percent	77%, 100%, 82%
CMY	0.2317, 0.0000, 0.1805
CMYK	0.23, 0.00, 0.18, 0.00
HSL	133°, 100%, 88%
HSV	133°, 23%, 100%
XYZ	70.0142, 87.8592, 73.5786
YIQ	232.1150, -20.3980, -26.8140

Conversions

Conversions Part 2

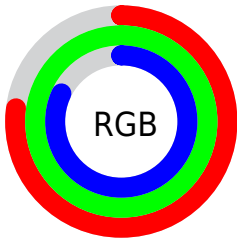
Format	Color
RYB	196, 244, 255
Decimal	12910545
CIELab	95.10, -27.32, 16.05
CIELCh	95, 31.687, 149.572
Yxy	87.8592, 0.3025, 0.3796
Android (android.graphics.Color)	4291100625 (0xFFC4FFD1)
YUV	232.1150, -11.3957, -31.6729
Hunter-Lab	93.7332, -30.7022, 19.0719

Details

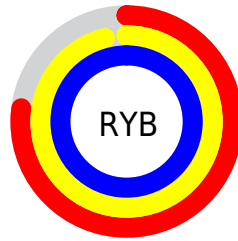
The Yxy color **87.8592, 0.3025, 0.3796** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.1059, 0.3249, 0.2832**, and the grayscale version is **80.8618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **48.3840, 0.3000, 0.3922** is the 20% darker color. If you saturate the color by 10%, you get **83.7915, 0.2983, 0.4057**, and if you desaturate by 10%, it is **92.6050, 0.3069, 0.3560**.

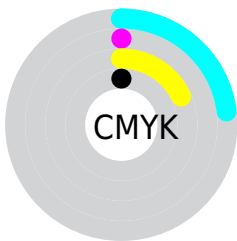
Distribution



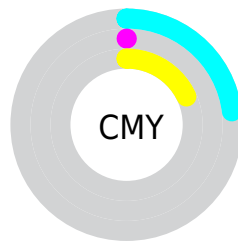
- Red (77%)
- Green (100%)
- Blue (82%)



- Red (77%)
- Yellow (96%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.8592, 0.3025, 0.3796 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 87.8592, 0.3025, 0.3796 by changing the saturation by 10% instead.


 87.8592, 0.3025,
0.3796

 87.8592, 0.3025,
0.3796


521.0420, 0.3075,
0.3561

 66.2065, 0.3013,
0.3850

144.3611, 0.3043,
0.3714

 48.4400, 0.2998,
0.3916


179.9791, 0.3050,
0.3683

 34.1755, 0.2978,
0.4000


221.0209, 0.3055,
0.3656

 23.0284, 0.2952,
0.4110

267.8711, 0.3060,
0.3632

 14.6145, 0.2915,
0.4260

320.9138, 0.3065,
0.3611

 8.5493, 0.2859,
0.4475

380.5336, 0.3068,

 4.4484, 0.2766,

0.3593

0.4810

447.1149, 0.3072,
0.3576

■ 1.9274, 0.2604,
0.5429

■ 0.5648, 0.0000,
1.0000

■ 87.8592, 0.3025,
0.3796

■ 87.8592, 0.3025,
0.3796

■ 83.7915, 0.2983,
0.4057

■ 92.6050, 0.3069,
0.3560

■ 80.4063, 0.2947,
0.4339

■ 98.0988, 0.3113,
0.3351

■ 77.6541, 0.2917,
0.4635

■ 100.0000, 0.3127,
0.3290

■ 75.4947, 0.2899,
0.4932

■ 73.8829, 0.2893,
0.5217

■ 72.7671, 0.2901,
0.5471

■ 72.0849, 0.2923,
0.5679

■ 71.8097, 0.2942,
0.5790

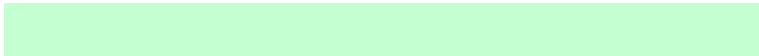
Harmonies

Analogous

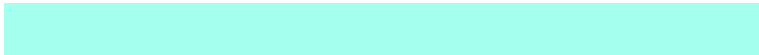
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8592, 0.3382, 0.3931



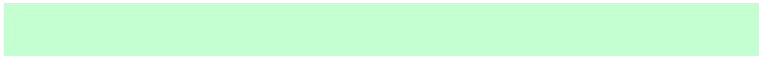
87.8592, 0.3025, 0.3796



87.8592, 0.2707, 0.3498

Triad

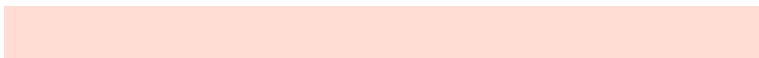
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.8592, 0.3025, 0.3796



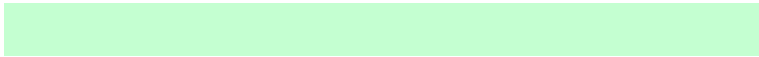
87.8592, 0.2584, 0.2723



87.8592, 0.3788, 0.3370

Complementary

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



87.8592, 0.3025, 0.3796



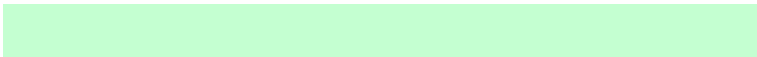
67.1059, 0.3249, 0.2832

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.



87.8592, 0.3550, 0.3082



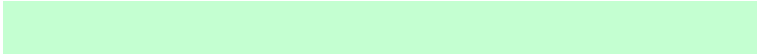
87.8592, 0.3025, 0.3796



87.8592, 0.2847, 0.2720

Square

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



87.8592, 0.3025, 0.3796



87.8592, 0.2464, 0.2872



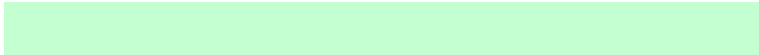
87.8592, 0.3200, 0.2850



87.8592, 0.3836, 0.3656

Rectangle

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



87.8592, 0.3025, 0.3796



87.8592, 0.2558, 0.3264



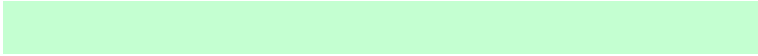
87.8592, 0.3200, 0.2850



87.8592, 0.3727, 0.3271

Sweetspot

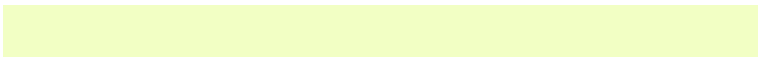
The Sweet Spot groups the original color and five complimentary colors.



87.8465, 0.3025, 0.3796



95.9072, 0.3096, 0.3428



94.4136, 0.3393, 0.3887



20.4563, 0.3094, 0.3440



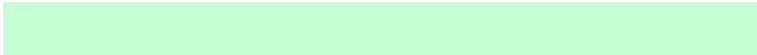
0.0000, 0.0000, 0.0000



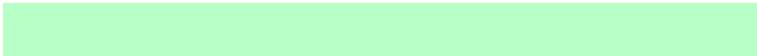
21.4041, 0.3127, 0.3290

Same Dimension

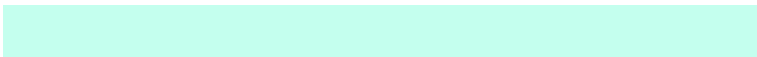
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.8465, 0.3025, 0.3796



85.8030, 0.3005, 0.3919



89.4320, 0.2869, 0.3468



20.2340, 0.3085, 0.3480



37.5402, 0.2935, 0.5766



3.6707, 0.2879, 0.5564

Inverse Universe

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



67.1059, 0.3249, 0.2832



61.6190, 0.3280, 0.2734



65.4860, 0.3474, 0.3119



18.2275, 0.3172, 0.3107



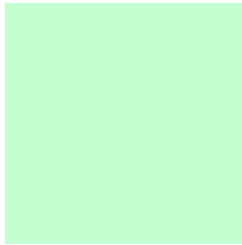
13.2766, 0.3864, 0.1902



1.3089, 0.3774, 0.1853

Previews

White Background



This preview shows how the Yxy color 87.8592, 0.3025, 0.3796 looks on a white background.

Color Contrast Check

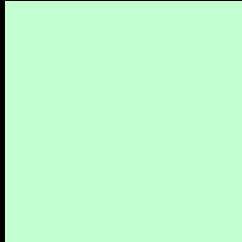
Large Text (above 18pt) WCAG AA × Fail

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 87.8592, 0.3025, 0.3796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

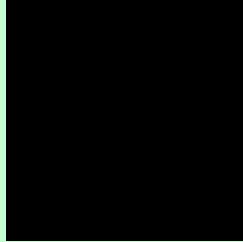
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

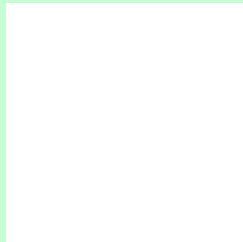
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.8592, 0.3025, 0.3796

Background



This preview shows how black text looks on a background with the Yxy color 87.8592, 0.3025, 0.3796.

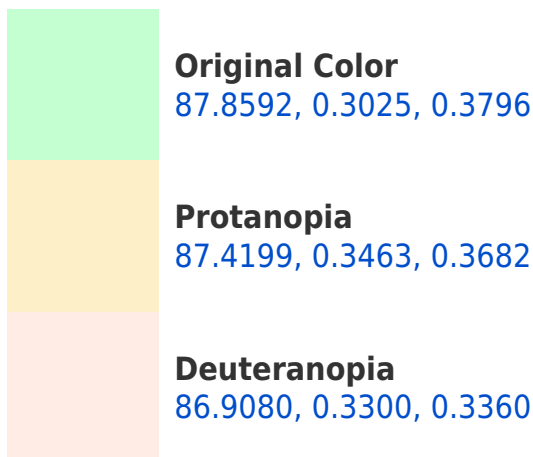


This preview shows how white text looks on a background with the Yxy color 87.8592, 0.3025, 0.3796.

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

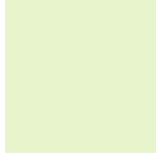
87.6093, 0.2932, 0.3178

Trichromacy



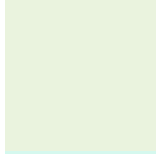
Original Color

87.8592, 0.3025, 0.3796



Protanomaly

86.8203, 0.3291, 0.3718



Deuteranomaly

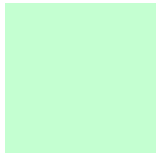
86.8675, 0.3196, 0.3506



Tritanomaly

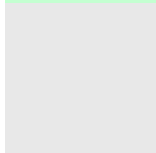
87.4540, 0.2967, 0.3394

Monochromacy



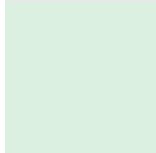
Original Color

87.8592, 0.3025, 0.3796



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.7621, 0.3087, 0.3460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.8592, 0.3025, 0.3796 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(196, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 209)  
}
```

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(196, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 209) }
```

Border

The CSS property to change the border of an element to Yxy 87.8592, 0.3025, 0.3796 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(196, 255, 209) }
```

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

```
.border{ border-color:rgb(196, 255, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 255, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 87.8592, 0.3025, 0.3796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 209) }
```

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

```
.background{ background-color: rgb(196,  
255, 209) }
```

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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