

Converting Colors

$Yxy(84.8037, 0.2991, 0.3979)$

Have a look what the booklet for
Yxy(84.8037, 0.2991, 0.3979)
contains.

Yxy(84.8072, 0.2990, 0.3978)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(84.8072, 0.2990, 0.3978)

Conversions

Conversions Part 1

Format	Color
Hex	B1FFC3
RGB	177, 255, 195
RGB Percent	69%, 100%, 76%
CMY	0.3058, 0.0000, 0.2353
CMYK	0.31, 0.00, 0.24, 0.00
HSL	134°, 100%, 85%
HSV	134°, 31%, 100%
XYZ	63.7440, 84.8072, 64.6394
YIQ	224.8380, -27.2280, -35.1960

Conversions

Conversions Part 2

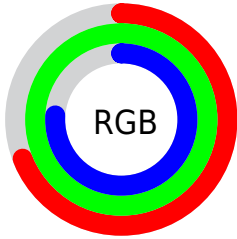
Format	Color
RYB	177, 240, 255
Decimal	11665347
CIELab	93.80, -35.62, 21.22
CIELCh	94, 41.458, 149.213
Yxy	84.8072, 0.2990, 0.3978
Android (android.graphics.Color)	4289855427 (0xFFB1FFC3)
YUV	224.8380, -14.7101, -41.9539
Hunter-Lab	92.0908, -37.6038, 22.8474

Details

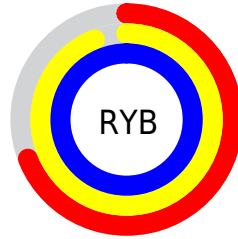
The Yxy color **84.8072, 0.2990, 0.3978** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **58.8253, 0.3303, 0.2689**, and the grayscale version is **75.2977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0407, 0.3016, 0.3319**, and **46.4488, 0.2952, 0.4151** is the 20% darker color. If you saturate the color by 10%, you get **81.2589, 0.2951, 0.4252**, and if you desaturate by 10%, it is **89.0353, 0.3034, 0.3727**.

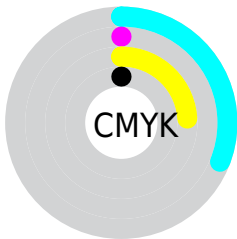
Distribution



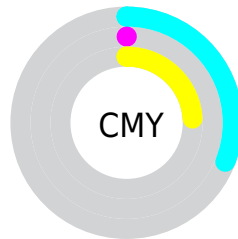
- Red (69%)
- Green (100%)
- Blue (76%)



- Red (69%)
- Yellow (94%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)




- Cyan (31%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.8072, 0.2990, 0.3978 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 84.8072, 0.2990, 0.3978 by changing the saturation by 10% instead.


 84.8072, 0.2990,
0.3978

 84.8072, 0.2990,
0.3978


510.9899, 0.3059,
0.3653

 63.6821, 0.2973,
0.4053

 140.1038, 0.3015,
0.3864

 46.3932, 0.2951,
0.4147

175.0440, 0.3025,
0.3820

 32.5562, 0.2922,
0.4267


215.3581, 0.3033,
0.3783

 21.7867, 0.2882,
0.4425

261.4304, 0.3039,
0.3750

 13.7003, 0.2825,
0.4643

313.6454, 0.3045,
0.3721

 7.9125, 0.2736,
0.4960


372.3873, 0.3051,


 4.0390, 0.2582,

0.3696

0.5459


438.0407, 0.3055,
0.3674


 1.6954, 0.2370,
0.6898


 0.4207, 0.0000,
1.0000

 84.8072, 0.2990,
0.3978


 84.8072, 0.2990,
0.3978


 81.2589, 0.2951,
0.4252


 89.0353, 0.3034,
0.3727


 78.3491, 0.2918,
0.4542

 93.9707, 0.3079,
0.3501

 76.0405, 0.2896,
0.4837

 99.6460, 0.3125,
0.3301

 74.2897, 0.2887,
0.5125

 100.0000, 0.3127,
0.3290

■ 73.0472, 0.2892,
0.5388

■ 72.2543, 0.2911,
0.5610

■ 71.8339, 0.2937,
0.5773

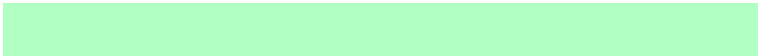
Harmonies

Analogous

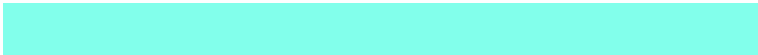
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8072, 0.3459, 0.4150



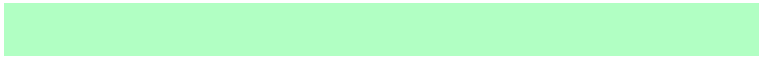
84.8072, 0.2990, 0.3978



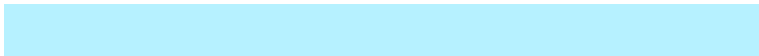
84.8072, 0.2577, 0.3570

Triad

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



84.8072, 0.2990, 0.3978



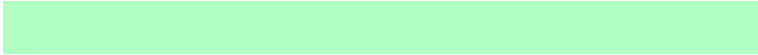
84.8072, 0.2416, 0.2552



84.8072, 0.4004, 0.3377

Complementary

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



84.8072, 0.2990, 0.3978



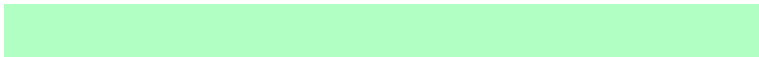
58.8253, 0.3303, 0.2689

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.



84.8072, 0.3681, 0.3011



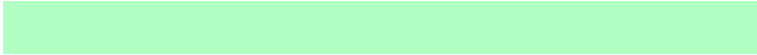
84.8072, 0.2990, 0.3978



84.8072, 0.2751, 0.2552

Square

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



84.8072, 0.2990, 0.3978



84.8072, 0.2266, 0.2736



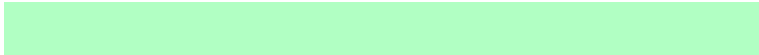
84.8072, 0.3212, 0.2718



84.8072, 0.4065, 0.3750

Rectangle

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



84.8072, 0.2990, 0.3978



84.8072, 0.2385, 0.3252



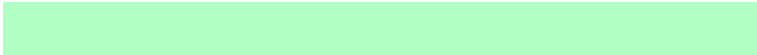
84.8072, 0.3212, 0.2718



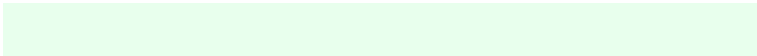
84.8072, 0.3921, 0.3251

Sweetspot

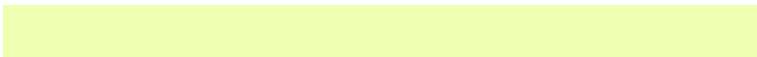
The Sweet Spot groups the original color and five complimentary colors.



84.8091, 0.2990, 0.3978



94.8187, 0.3086, 0.3468



92.8899, 0.3476, 0.4088



20.1281, 0.3080, 0.3498



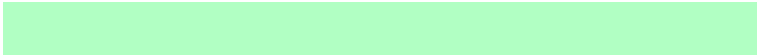
0.0000, 0.0000, 0.0000



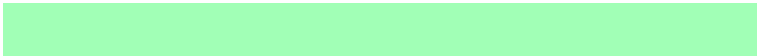
21.4041, 0.3127, 0.3290

Same Dimension

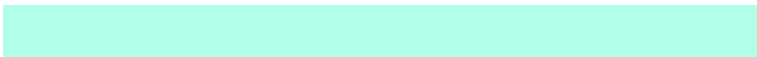
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8091, 0.2990, 0.3978



82.4552, 0.2964, 0.4151



86.7466, 0.2794, 0.3534



20.2368, 0.3084, 0.3478



37.5534, 0.2930, 0.5748



3.6723, 0.2873, 0.5543

Inverse Universe

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



58.8253, 0.3303, 0.2689



52.5244, 0.3350, 0.2562



56.8388, 0.3624, 0.3062



18.2245, 0.3174, 0.3109



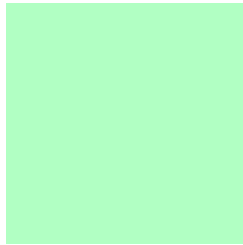
13.2197, 0.3897, 0.1920



1.3038, 0.3802, 0.1868

Previews

White Background



This preview shows how the Yxy color 84.8072, 0.2990, 0.3978 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 84.8072, 0.2990, 0.3978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

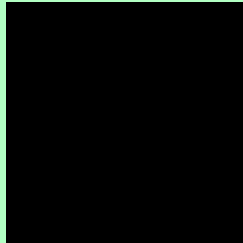
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.8072, 0.2990, 0.3978

Background



This preview shows how black text looks on a background with the Yxy color 84.8072, 0.2990, 0.3978.

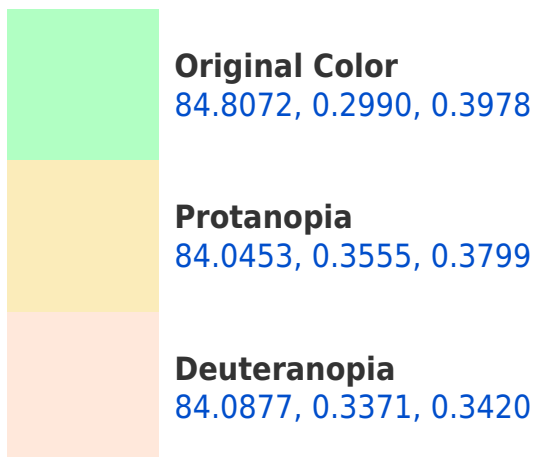


This preview shows how white text looks on a background with the Yxy color 84.8072, 0.2990, 0.3978.

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

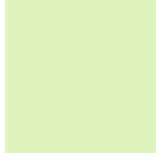
84.2796, 0.2847, 0.3154

Trichromacy



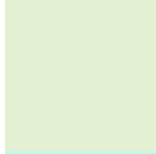
Original Color

84.8072, 0.2990, 0.3978



Protanomaly

83.6226, 0.3331, 0.3870



Deuteranomaly

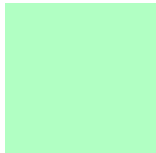
83.3042, 0.3225, 0.3608



Tritanomaly

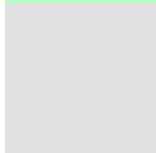
84.2750, 0.2899, 0.3441

Monochromacy



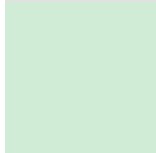
Original Color

84.8072, 0.2990, 0.3978



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.2558, 0.3076, 0.3532

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.8072, 0.2990, 0.3978 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(177, 255, 195)` looks like.

```
.text, #text, p{  
    color:rgb(177, 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(177, 255, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 195) }
```

Border

The CSS property to change the border of an element to Yxy 84.8072, 0.2990, 0.3978 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(177, 255, 195) }
```

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

```
.border{ border-color:rgb(177, 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(177, 255, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 195);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 84.8072, 0.2990, 0.3978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 255, 195) }
```

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

```
.background{ background-color: rgb(177,  
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](#).

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