

Converting Colors

Yxy(84.6868, 0.2899, 0.3848)

Have a look what the booklet for
Yxy(84.6868, 0.2899, 0.3848)
contains.

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Color

Yxy(84.6342, 0.2899, 0.3852)

Conversions

Conversions Part 1

Format	Color
Hex	ABFFCE
RGB	171, 255, 206
RGB Percent	67%, 100%, 81%
CMY	0.3295, 0.0000, 0.1921
CMYK	0.33, 0.00, 0.19, 0.00
HSL	145°, 100%, 84%
HSV	145°, 33%, 100%
XYZ	63.6954, 84.6342, 71.3854
YIQ	224.2980, -34.3350, -33.0470

Conversions

Conversions Part 2

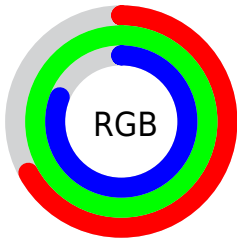
Format	Color
RYB	171, 230, 255
Decimal	11272142
CIELab	93.73, -35.40, 15.44
CIELCh	94, 38.624, 156.443
Yxy	84.6342, 0.2899, 0.3852
Android (android.graphics.Color)	4289462222 (0xFFABFFCE)
YUV	224.2980, -9.0209, -46.7423
Hunter-Lab	91.9968, -37.4074, 18.3914

Details

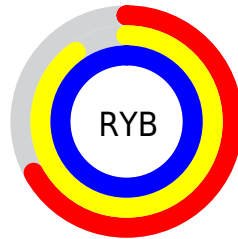
The Yxy color **84.6342, 0.2899, 0.3852** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **55.5476, 0.3452, 0.2791**, and the grayscale version is **74.8487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **46.3682, 0.2842, 0.3985** is the 20% darker color. If you saturate the color by 10%, you get **81.3529, 0.2842, 0.4060**, and if you desaturate by 10%, it is **88.5362, 0.2964, 0.3661**.

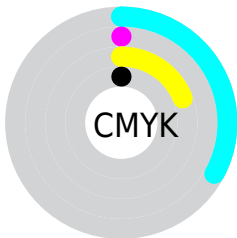
Distribution



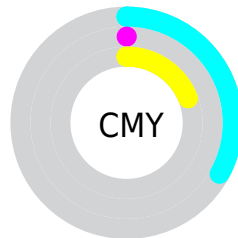
- Red (67%)
- Green (100%)
- Blue (81%)



- Red (67%)
- Yellow (90%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)




- Cyan (33%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.6342, 0.2899, 0.3852 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 84.6342, 0.2899, 0.3852 by changing the saturation by 10% instead.

 84.6342, 0.2899,
0.3852

 84.6342, 0.2899,
0.3852

510.4169, 0.3007,
0.3588

 63.5392, 0.2874,
0.3913


 139.8620, 0.2937,
0.3760

 46.2775, 0.2843,
0.3989


174.7635, 0.2951,
0.3724

 32.4649, 0.2802,
0.4086


215.0360, 0.2964,
0.3694

 21.7168, 0.2749,
0.4213

261.0639, 0.2975,
0.3667

 13.6490, 0.2676,
0.4388

313.2315, 0.2984,
0.3644

 7.8769, 0.2568,
0.4644

371.9233, 0.2993,

 4.0163, 0.2395,

0.3623

0.5049

437.5236, 0.3000,
0.3605

■ 1.6827, 0.2044,
0.5929

■ 0.4124, 0.0000,
1.0000

■ 84.6342, 0.2899,
0.3852

■ 84.6342, 0.2899,
0.3852

■ 81.3529, 0.2842,
0.4060

■ 88.5362, 0.2964,
0.3661

■ 78.6585, 0.2796,
0.4281

■ 93.0900, 0.3034,
0.3487

■ 76.5139, 0.2765,
0.4511

■ 98.3246, 0.3106,
0.3332

■ 74.8776, 0.2751,
0.4742

100.0000, 0.3127,
0.3290

■ 73.7018, 0.2757,
0.4966

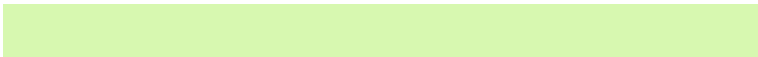
■ 72.9288, 0.2782,
0.5175

■ 72.5677, 0.2808,
0.5310

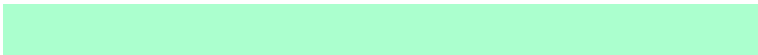
Harmonies

Analogous

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



84.6342, 0.3336, 0.4074



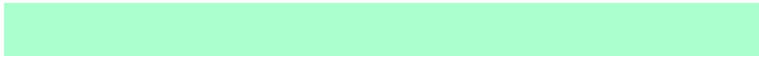
84.6342, 0.2899, 0.3852



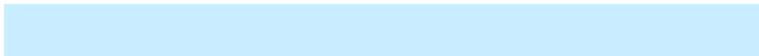
84.6342, 0.2540, 0.3445

Triad

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



84.6342, 0.2899, 0.3852



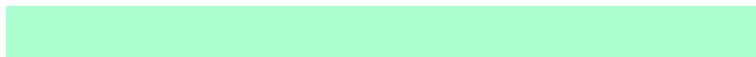
84.6342, 0.2523, 0.2583



84.6342, 0.3982, 0.3461

Complementary

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



84.6342, 0.2899, 0.3852



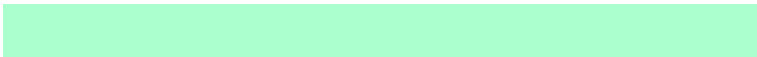
55.5476, 0.3452, 0.2791

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.



84.6342, 0.3734, 0.3109



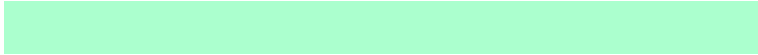
84.6342, 0.2899, 0.3852



84.6342, 0.2873, 0.2622

Square

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



84.6342, 0.2899, 0.3852



84.6342, 0.2337, 0.2716



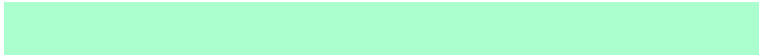
84.6342, 0.3317, 0.2811



84.6342, 0.3977, 0.3800

Rectangle

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



84.6342, 0.2899, 0.3852



84.6342, 0.2387, 0.3154



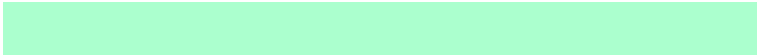
84.6342, 0.3317, 0.2811



84.6342, 0.3925, 0.3342

Sweetspot

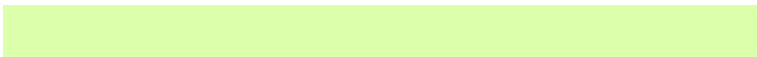
The Sweet Spot groups the original color and five complimentary colors.



84.6342, 0.2899, 0.3852



94.5596, 0.3055, 0.3440



89.6749, 0.3389, 0.4184



20.0880, 0.3045, 0.3462



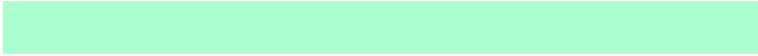
0.0000, 0.0000, 0.0000



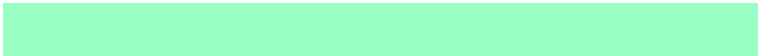
21.4041, 0.3127, 0.3290

Same Dimension

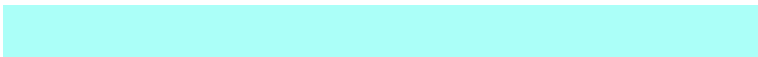
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.6342, 0.2899, 0.3852



82.2567, 0.2858, 0.3997



86.9541, 0.2690, 0.3365



20.2938, 0.3058, 0.3432



37.9463, 0.2800, 0.5279



3.7159, 0.2737, 0.5055

Inverse Universe

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



55.5476, 0.3452, 0.2791



48.8194, 0.3548, 0.2682



53.5960, 0.3833, 0.3218



18.1647, 0.3202, 0.3152



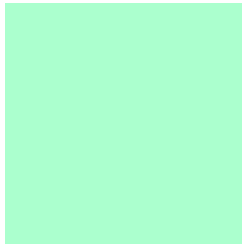
12.2674, 0.4615, 0.2316



1.2162, 0.4410, 0.2203

Previews

White Background



This preview shows how the Yxy color 84.6342, 0.2899, 0.3852 looks on a white background.

Color Contrast Check

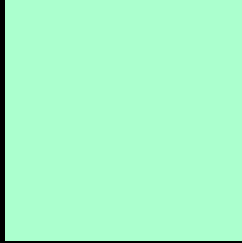
Large Text (above 18pt) WCAG AA × Fail

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 84.6342, 0.2899, 0.3852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

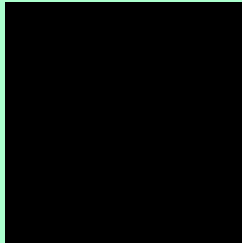
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

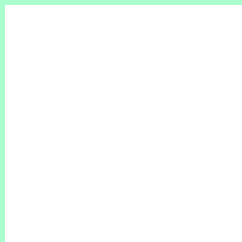
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.6342, 0.2899, 0.3852

Background



This preview shows how black text looks on a background with the Yxy color 84.6342, 0.2899, 0.3852.

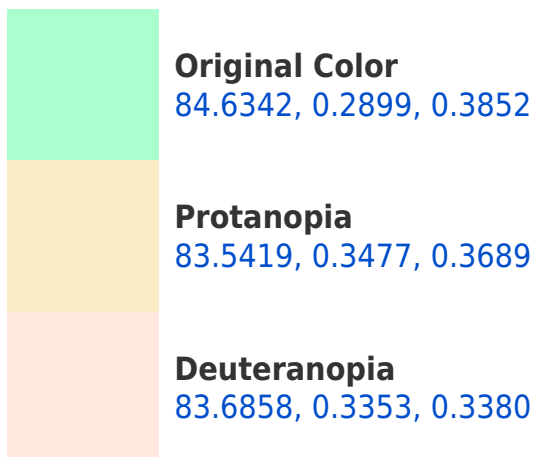


This preview shows how white text looks on a background with the Yxy color 84.6342, 0.2899, 0.3852.

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

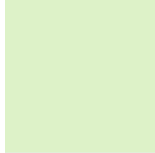
84.4430, 0.2831, 0.3164

Trichromacy



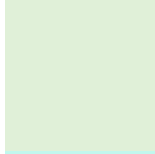
Original Color

84.6342, 0.2899, 0.3852



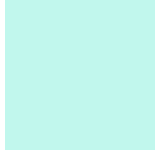
Protanomaly

83.0465, 0.3244, 0.3742



Deuteranomaly

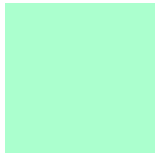
83.1253, 0.3168, 0.3545



Tritanomaly

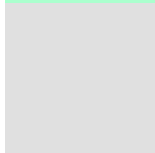
83.9734, 0.2854, 0.3398

Monochromacy



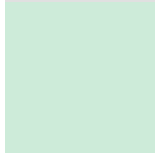
Original Color

84.6342, 0.2899, 0.3852



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.4056, 0.3039, 0.3489

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.6342, 0.2899, 0.3852 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(171, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 206)  
}
```

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(171, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 206) }
```

Border

The CSS property to change the border of an element to Yxy 84.6342, 0.2899, 0.3852 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(171, 255, 206) }
```

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

```
.border{ border-color:rgb(171, 255, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 255, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 255, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 255, 206); box-shadow:4px 4px 4px 4px rgb(171, 255, 206) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6342, 0.2899, 0.3852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 255, 206) }
```

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

```
.background{ background-color: rgb(171,  
255, 206) }
```

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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