

Converting Colors

$Y_{xy}(100.0000, 0.2789, 0.3771)$

Have a look what the booklet for
Yxy(100.0000, 0.2789, 0.3771)
contains.

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Color

Yxy(85.9474, 0.2772, 0.3558)

Conversions

Conversions Part 1

Format	Color
Hex	ABFFE7
RGB	171, 255, 231
RGB Percent	67%, 100%, 91%
CMY	0.3298, 0.0000, 0.0942
CMYK	0.33, 0.00, 0.09, 0.00
HSL	163°, 100%, 84%
HSV	163°, 33%, 100%
XYZ	66.9607, 85.9474, 88.6529
YIQ	227.1480, -42.3600, -25.2720

Conversions

Conversions Part 2

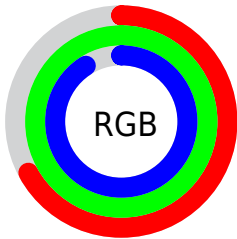
Format	Color
RYB	171, 220, 255
Decimal	11272167
CIELab	94.29, -30.49, 3.40
CIElCh	94, 30.675, 173.638
Yxy	85.9474, 0.2772, 0.3558
Android (android.graphics.Color)	4289462247 (0xFFABFFE7)
YUV	227.1480, 1.8990, -49.2418
Hunter-Lab	92.7078, -33.3123, 8.1988

Details

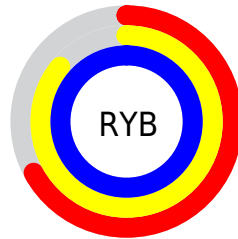
The Yxy color **85.9474, 0.2772, 0.3558** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.2849, 0.3676, 0.3041**, and the grayscale version is **76.9142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **47.1282, 0.2694, 0.3627** is the 20% darker color. If you saturate the color by 10%, you get **82.9424, 0.2684, 0.3654**, and if you desaturate by 10%, it is **89.4987, 0.2871, 0.3468**.

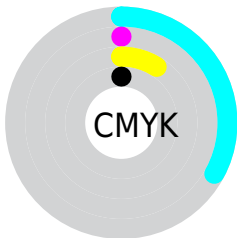
Distribution



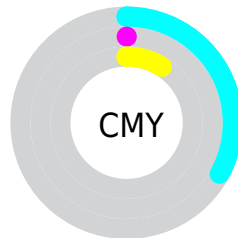
- Red (67%)
- Green (100%)
- Blue (91%)



- Red (67%)
- Yellow (86%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)



- Cyan (33%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.9474, 0.2772, 0.3558 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 85.9474, 0.2772, 0.3558 by changing the saturation by 10% instead.


 85.9474, 0.2772,
0.3558

 85.9474, 0.2772,
0.3558


514.7578, 0.2932,
0.3436

 64.6245, 0.2736,
0.3585


 141.6961, 0.2827,
0.3516

 47.1566, 0.2693,
0.3619

176.8906, 0.2848,
0.3500

 33.1595, 0.2639,
0.3661

217.4779, 0.2867,
0.3485

 22.2487, 0.2569,
0.3716

263.8421, 0.2883,
0.3473

 14.0397, 0.2477,
0.3789

316.3679, 0.2897,
0.3462

 8.1483, 0.2348,
0.3893

375.4395, 0.2910,

 4.1900, 0.2157,

0.3453

0.4050

441.4413, 0.2922,
0.3444

■ 1.7804, 0.1841,
0.4317

■ 0.4749, 0.0000,
0.6295

■ 85.9474, 0.2772,
0.3558

■ 85.9474, 0.2772,
0.3558

■ 82.9424, 0.2684,
0.3654

■ 89.4987, 0.2871,
0.3468

■ 80.4862, 0.2611,
0.3756

■ 93.6604, 0.2979,
0.3386

■ 78.5318, 0.2555,
0.3863

■ 98.4484, 0.3093,
0.3311

■ 77.0397, 0.2518,
0.3971

100.0000, 0.3127,
0.3290

■ 75.9639, 0.2502,
0.4081

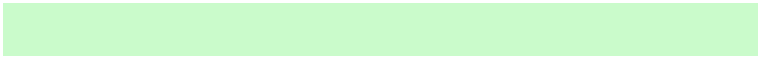
■ 75.2488, 0.2506,
0.4190

■ 74.9056, 0.2518,
0.4265

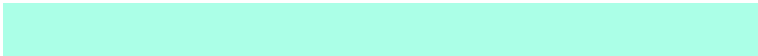
Harmonies

Analogous

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



85.9474, 0.3097, 0.3824



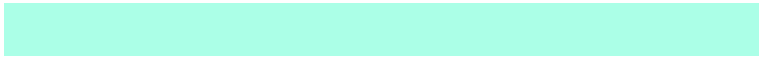
85.9474, 0.2772, 0.3558



85.9474, 0.2549, 0.3220

Triad

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



85.9474, 0.2772, 0.3558



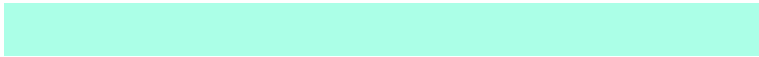
85.9474, 0.2794, 0.2723



85.9474, 0.3825, 0.3596

Complementary

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



85.9474, 0.2772, 0.3558



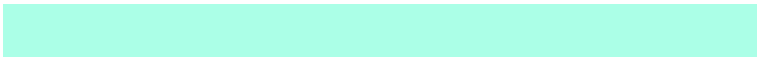
54.2849, 0.3676, 0.3041

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.



85.9474, 0.3739, 0.3311



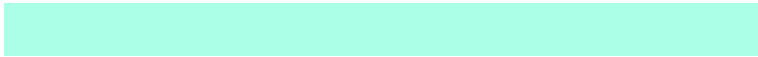
85.9474, 0.2772, 0.3558



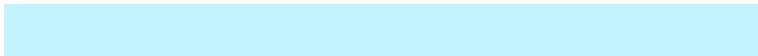
85.9474, 0.3127, 0.2826

Square

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



85.9474, 0.2772, 0.3558



85.9474, 0.2562, 0.2754



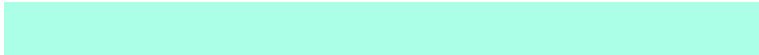
85.9474, 0.3477, 0.3036



85.9474, 0.3712, 0.3823

Rectangle

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



85.9474, 0.2772, 0.3558



85.9474, 0.2482, 0.3014



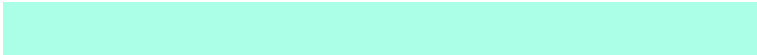
85.9474, 0.3477, 0.3036



85.9474, 0.3819, 0.3504

Sweetspot

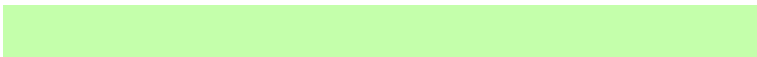
The Sweet Spot groups the original color and five complimentary colors.



85.9359, 0.2772, 0.3558



95.0203, 0.3013, 0.3363



86.2099, 0.3234, 0.4231



20.1995, 0.2997, 0.3373



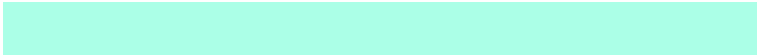
0.0000, 0.0000, 0.0000



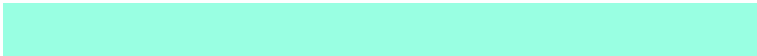
21.4041, 0.3127, 0.3290

Same Dimension

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



85.9359, 0.2772, 0.3558



83.7767, 0.2709, 0.3625



77.1211, 0.2633, 0.3102



20.3878, 0.3018, 0.3359



39.1668, 0.2513, 0.4247



3.8324, 0.2479, 0.4124

Inverse Universe

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



54.2849, 0.3676, 0.3041



47.4249, 0.3848, 0.2987



60.0441, 0.3842, 0.3468



18.0723, 0.3249, 0.3222



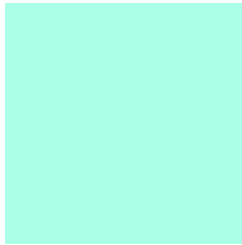
11.3808, 0.5819, 0.2979



1.1260, 0.5499, 0.2803

Previews

White Background



This preview shows how the Yxy color 85.9474, 0.2772, 0.3558 looks on a white background.

Color Contrast Check

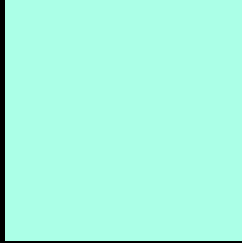
Large Text (above 18pt) WCAG AA × Fail

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 85.9474, 0.2772, 0.3558 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

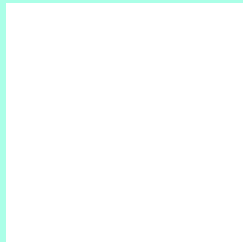
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.9474, 0.2772, 0.3558

Background



This preview shows how black text looks on a background with the Yxy color 85.9474, 0.2772, 0.3558.

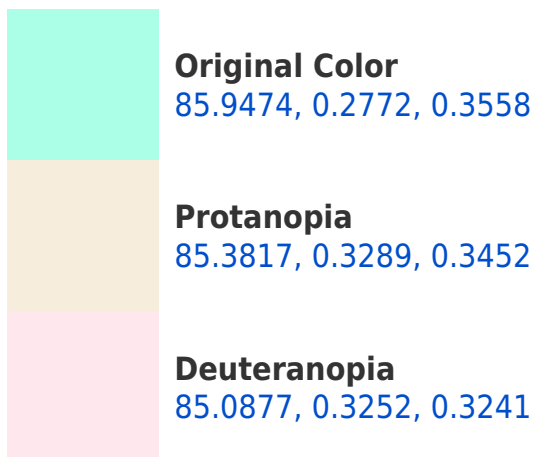


This preview shows how white text looks on a background with the Yxy color 85.9474, 0.2772, 0.3558.

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

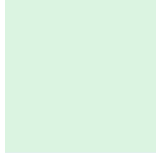
85.4767, 0.2849, 0.3175

Trichromacy



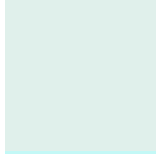
Original Color

85.9474, 0.2772, 0.3558



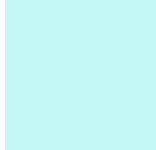
Protanomaly

85.1977, 0.3079, 0.3491



Deuteranomaly

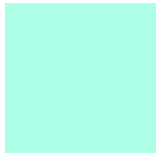
84.1656, 0.3053, 0.3342



Tritanomaly

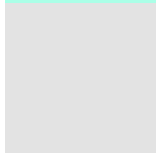
85.3907, 0.2819, 0.3311

Monochromacy



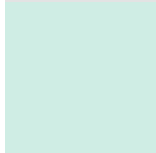
Original Color

85.9474, 0.2772, 0.3558



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.4352, 0.2986, 0.3387

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.9474, 0.2772, 0.3558 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, 231)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 231)  
}
```

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, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 231) }
```

Border

The CSS property to change the border of an element to Yxy 85.9474, 0.2772, 0.3558 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, 231) }
```

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

```
.border{ border-color:rgb(171, 255, 231) }
```

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, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(171, 255,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 85.9474, 0.2772, 0.3558 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, 231) }
```

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

```
.background{ background-color: rgb(171,  
255, 231) }
```

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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