

Converting Colors

$Yxy(86.2843, 0.2741, 0.3487)$

Have a look what the booklet for
Yxy(86.2843, 0.2741, 0.3487)
contains.

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Color

Yxy(86.2924, 0.2743, 0.3489)

Conversions

Conversions Part 1

Format	Color
Hex	ABFFED
RGB	171, 255, 237
RGB Percent	67%, 100%, 93%
CMY	0.3293, 0.0000, 0.0706
CMYK	0.33, 0.00, 0.07, 0.00
HSL	167°, 100%, 84%
HSV	167°, 33%, 100%
XYZ	67.8418, 86.2924, 93.1928
YIQ	227.8320, -44.2860, -23.4060

Conversions

Conversions Part 2

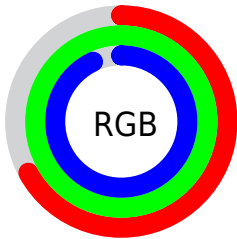
Format	Color
RYB	171, 218, 255
Decimal	11272173
CIELab	94.44, -29.18, 0.52
CIELCh	94, 29.183, 178.983
Yxy	86.2924, 0.2743, 0.3489
Android (android.graphics.Color)	4289462253 (0xFFABFFED)
YUV	227.8320, 4.5198, -49.8417
Hunter-Lab	92.8937, -32.2025, 5.5447

Details

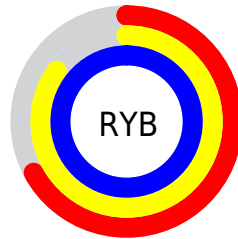
The Yxy color **86.2924, 0.2743, 0.3489** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.0679, 0.3730, 0.3103**, and the grayscale version is **77.4472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **47.3692, 0.2658, 0.3536** is the 20% darker color. If you saturate the color by 10%, you get **83.3860, 0.2648, 0.3560**, and if you desaturate by 10%, it is **89.7638, 0.2850, 0.3423**.

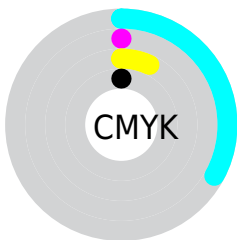
Distribution



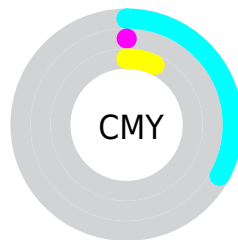
- Red (67%)
- Green (100%)
- Blue (93%)



- Red (67%)
- Yellow (85%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.2924, 0.2743, 0.3489 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 86.2924, 0.2743, 0.3489 by changing the saturation by 10% instead.

 86.2924, 0.2743,
0.3489

 86.2924, 0.2743,
0.3489


515.8949, 0.2915,
0.3400

 64.9098, 0.2705,
0.3509


 142.1775, 0.2802,
0.3459

 47.3879, 0.2659,
0.3533

177.4487, 0.2825,
0.3447

 33.3424, 0.2601,
0.3563


218.1183, 0.2845,
0.3436

 22.3889, 0.2528,
0.3601

264.5705, 0.2862,
0.3427

 14.1429, 0.2431,
0.3652

317.1900, 0.2878,
0.3419

 8.2201, 0.2296,
0.3723


376.3609, 0.2892,


 4.2361, 0.2099,

0.3412

0.3827


442.4677, 0.2904,
0.3406


 1.8065, 0.1784,
0.3994


 0.4912, 0.0000,
0.4963


 86.2924, 0.2743,
0.3489

 86.2924, 0.2743,
0.3489

 83.3860, 0.2648,
0.3560


 89.7638, 0.2850,
0.3423

 81.0083, 0.2569,
0.3635

 93.8252, 0.2967,
0.3361

 79.1256, 0.2507,
0.3713

 98.5056, 0.3090,
0.3305

 77.6982, 0.2464,
0.3792

100.0000, 0.3127,
0.3290

■ 76.6806, 0.2442,
0.3872

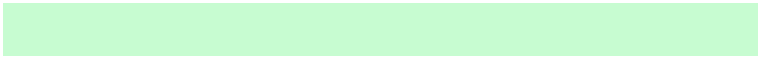
■ 76.0171, 0.2439,
0.3951

■ 75.7050, 0.2446,
0.4007

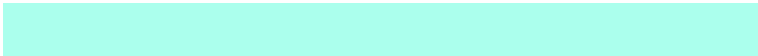
Harmonies

Analogous

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



86.2924, 0.3040, 0.3761



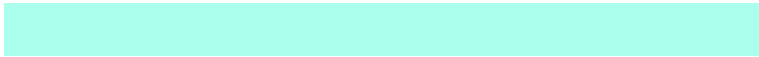
86.2924, 0.2743, 0.3489



86.2924, 0.2553, 0.3169

Triad

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



86.2924, 0.2743, 0.3489



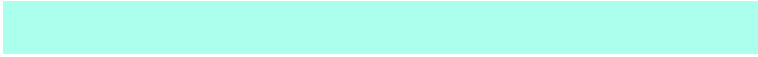
86.2924, 0.2862, 0.2758



86.2924, 0.3785, 0.3627

Complementary

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



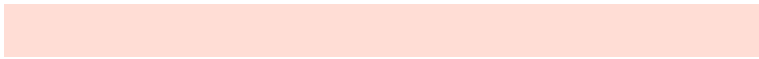
86.2924, 0.2743, 0.3489



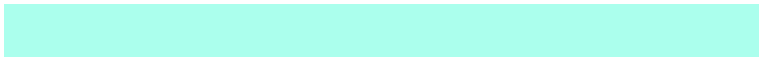
54.0679, 0.3730, 0.3103

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.



86.2924, 0.3736, 0.3361



86.2924, 0.2743, 0.3489



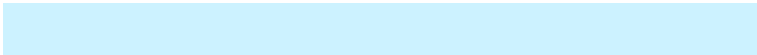
86.2924, 0.3188, 0.2877

Square

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



86.2924, 0.2743, 0.3489



86.2924, 0.2619, 0.2764



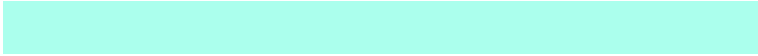
86.2924, 0.3513, 0.3092



86.2924, 0.3647, 0.3825

Rectangle

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



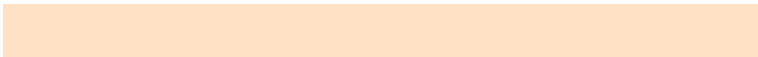
86.2924, 0.2743, 0.3489



86.2924, 0.2507, 0.2983



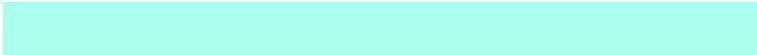
86.2924, 0.3513, 0.3092



86.2924, 0.3790, 0.3542

Sweetspot

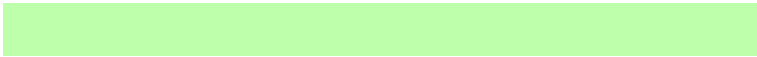
The Sweet Spot groups the original color and five complimentary colors.



86.2938, 0.2743, 0.3489



95.1332, 0.3003, 0.3344



85.3072, 0.3190, 0.4242



20.2269, 0.2986, 0.3352



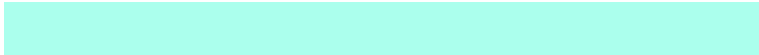
0.0000, 0.0000, 0.0000



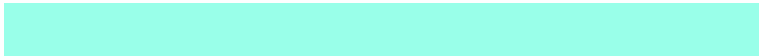
21.4041, 0.3127, 0.3290

Same Dimension

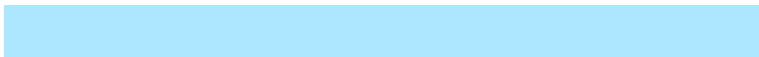
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.2938, 0.2743, 0.3489



84.1828, 0.2675, 0.3539



73.1467, 0.2623, 0.3022



20.4108, 0.3009, 0.3341



39.5804, 0.2443, 0.3994



3.8696, 0.2418, 0.3903

Inverse Universe

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



54.0679, 0.3730, 0.3103



47.1326, 0.3922, 0.3063



63.1474, 0.3816, 0.3541



18.0508, 0.3260, 0.3239



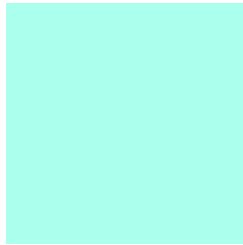
11.2690, 0.6041, 0.3101



1.1124, 0.5737, 0.2934

Previews

White Background



This preview shows how the Yxy color 86.2924, 0.2743, 0.3489 looks on a white background.

Color Contrast Check

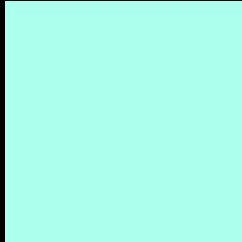
Large Text (above 18pt) WCAG AA × Fail

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 86.2924, 0.2743, 0.3489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

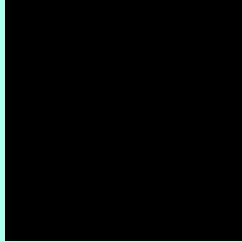
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.2924, 0.2743, 0.3489

Background



This preview shows how black text looks on a background with the Yxy color 86.2924, 0.2743, 0.3489.

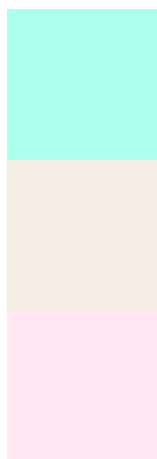


This preview shows how white text looks on a background with the Yxy color 86.2924, 0.2743, 0.3489.

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

86.2924, 0.2743, 0.3489

Protanopia

85.5269, 0.3244, 0.3391

Deuteranopia

85.3241, 0.3227, 0.3202



Tritanopia

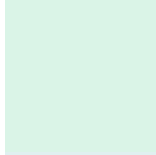
85.6230, 0.2854, 0.3175

Trichromacy



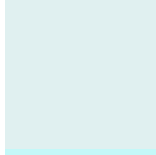
Original Color

86.2924, 0.2743, 0.3489



Protanomaly

85.3763, 0.3038, 0.3427



Deuteranomaly

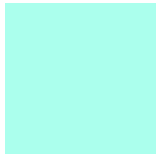
84.4587, 0.3024, 0.3290



Tritanomaly

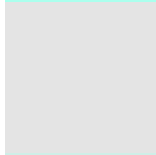
85.6479, 0.2814, 0.3289

Monochromacy



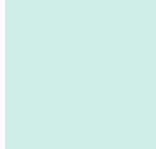
Original Color

86.2924, 0.2743, 0.3489



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.1840, 0.2969, 0.3365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.2924, 0.2743, 0.3489 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, 237)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 237)  
}
```

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, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 237) }
```

Border

The CSS property to change the border of an element to Yxy 86.2924, 0.2743, 0.3489 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, 237) }
```

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

```
.border{ border-color:rgb(171, 255, 237) }
```

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, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(171, 255,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 86.2924, 0.2743, 0.3489 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, 237) }
```

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

```
.background{ background-color: rgb(171,  
255, 237) }
```

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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