

Converting Colors

Yxy(84.8812, 0.2844, 0.3747)

Have a look what the booklet for
Yxy(84.8812, 0.2844, 0.3747)
contains.

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Color

Yxy(84.8613, 0.2842, 0.3746)

Conversions

Conversions Part 1

Format	Color
Hex	A9FFD7
RGB	169, 255, 215
RGB Percent	66%, 100%, 84%
CMY	0.3375, 0.0000, 0.1567
CMYK	0.34, 0.00, 0.16, 0.00
HSL	152°, 100%, 83%
HSV	152°, 34%, 100%
XYZ	64.3822, 84.8613, 77.2949
YIQ	224.7260, -38.4160, -30.6720

Conversions

Conversions Part 2

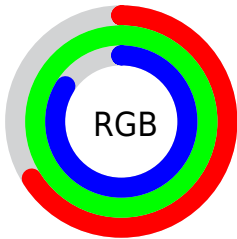
Format	Color
RYB	169, 225, 255
Decimal	11141079
CIELab	93.82, -34.26, 10.94
CIELCh	94, 35.964, 162.295
Yxy	84.8613, 0.2842, 0.3746
Android (android.graphics.Color)	4289331159 (0xFFA9FFD7)
YUV	224.7260, -4.7949, -48.8717
Hunter-Lab	92.1202, -36.4578, 14.7359

Details

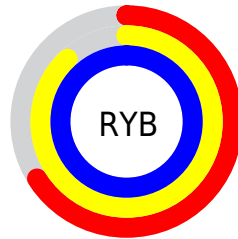
The Yxy color **84.8613, 0.2842, 0.3746** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **54.2164, 0.3553, 0.2879**, and the grayscale version is **75.1340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **46.5036, 0.2779, 0.3861** is the 20% darker color. If you saturate the color by 10%, you get **81.7204, 0.2773, 0.3910**, and if you desaturate by 10%, it is **88.5879, 0.2920, 0.3595**.

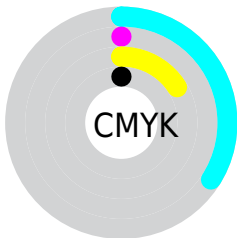
Distribution



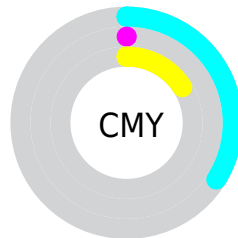
- Red (66%)
- Green (100%)
- Blue (84%)



- Red (66%)
- Yellow (88%)
- Blue (100%)



- Cyan (34%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (34%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.8613, 0.2842, 0.3746 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 84.8613, 0.2842, 0.3746 by changing the saturation by 10% instead.


 84.8613, 0.2842,
0.3746

 84.8613, 0.2842,
0.3746

511.1690, 0.2974,
0.3534

 63.7268, 0.2812,
0.3795

 140.1794, 0.2888,
0.3672

 46.4294, 0.2775,
0.3855


175.1317, 0.2905,
0.3643

 32.5848, 0.2728,
0.3932


215.4588, 0.2921,
0.3619

 21.8086, 0.2667,
0.4033

261.5450, 0.2934,
0.3597

 13.7163, 0.2585,
0.4171

313.7747, 0.2946,
0.3578

 7.9236, 0.2466,
0.4371


372.5324, 0.2956,


 4.0461, 0.2284,


0.3562


0.4685


438.2023, 0.2965,
0.3547


 1.6994, 0.1920,
0.5279

 0.4233, 0.0000,
1.0000


 84.8613, 0.2842,
0.3746


 84.8613, 0.2842,
0.3746


 81.7204, 0.2773,
0.3910


 88.5879, 0.2920,
0.3595

 79.1446, 0.2718,
0.4084

 92.9431, 0.3005,
0.3457

 77.0932, 0.2678,
0.4265

 97.9509, 0.3094,
0.3333

 75.5256, 0.2658,
0.4450

100.0000, 0.3127,
0.3290

■ 74.3944, 0.2658,
0.4634

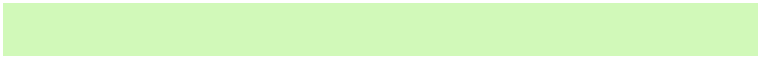
■ 73.6421, 0.2679,
0.4811

■ 73.3133, 0.2699,
0.4918

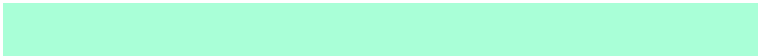
Harmonies

Analogous

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



84.8613, 0.3244, 0.3995



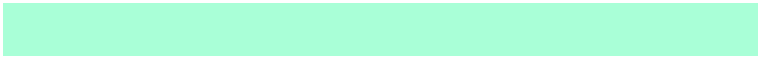
84.8613, 0.2842, 0.3746



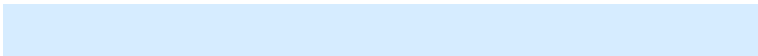
84.8613, 0.2530, 0.3355

Triad

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



84.8613, 0.2842, 0.3746



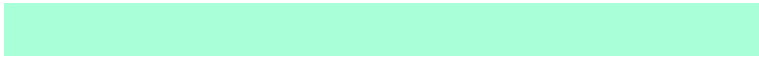
84.8613, 0.2616, 0.2623



84.8613, 0.3940, 0.3518

Complementary

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



84.8613, 0.2842, 0.3746



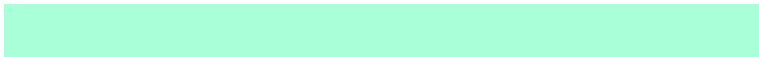
54.2164, 0.3553, 0.2879

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.



84.8613, 0.3752, 0.3184



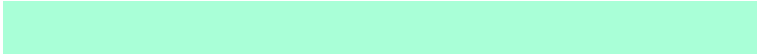
84.8613, 0.2842, 0.3746



84.8613, 0.2968, 0.2689

Square

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



84.8613, 0.2842, 0.3746



84.8613, 0.2408, 0.2718



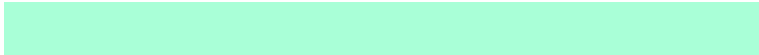
84.8613, 0.3387, 0.2890



84.8613, 0.3891, 0.3822

Rectangle

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



84.8613, 0.2842, 0.3746



84.8613, 0.2408, 0.3092



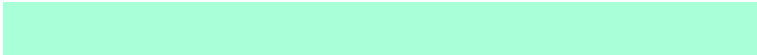
84.8613, 0.3387, 0.2890



84.8613, 0.3903, 0.3407

Sweetspot

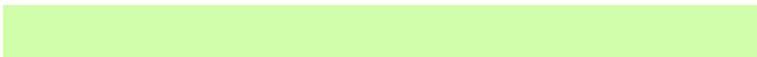
The Sweet Spot groups the original color and five complimentary colors.



84.8572, 0.2842, 0.3746



94.7408, 0.3038, 0.3409



87.9535, 0.3328, 0.4228



20.1317, 0.3026, 0.3427



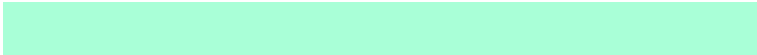
0.0000, 0.0000, 0.0000



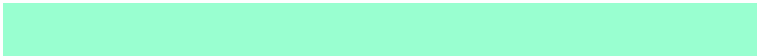
21.4041, 0.3127, 0.3290

Same Dimension

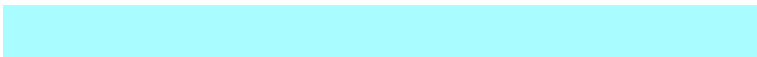
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8572, 0.2842, 0.3746



82.8277, 0.2798, 0.3847



85.3529, 0.2643, 0.3257



20.3308, 0.3042, 0.3403



38.3383, 0.2692, 0.4890



3.7549, 0.2637, 0.4692

Inverse Universe

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



54.2164, 0.3553, 0.2879



48.2303, 0.3665, 0.2801



53.5582, 0.3915, 0.3323



18.1275, 0.3221, 0.3180



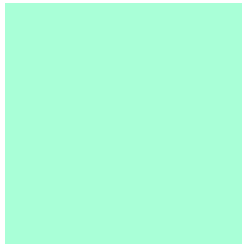
11.8273, 0.5115, 0.2591



1.1734, 0.4842, 0.2441

Previews

White Background



This preview shows how the Yxy color 84.8613, 0.2842, 0.3746 looks on a white background.

Color Contrast Check

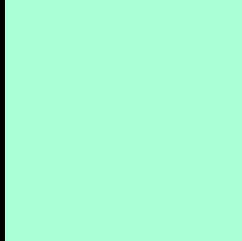
Large Text (above 18pt) WCAG AA × Fail

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 84.8613, 0.2842, 0.3746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

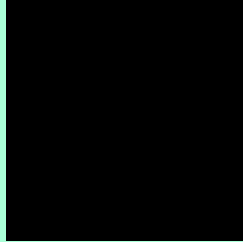
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.8613, 0.2842, 0.3746

Background



This preview shows how black text looks on a background with the Yxy color 84.8613, 0.2842, 0.3746.

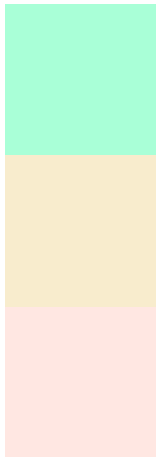


This preview shows how white text looks on a background with the Yxy color 84.8613, 0.2842, 0.3746.

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

84.8613, 0.2842, 0.3746

Protanopia

84.3551, 0.3408, 0.3606

Deuteranopia

83.9028, 0.3326, 0.3340



Tritanopia

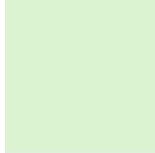
84.4430, 0.2831, 0.3164

Trichromacy



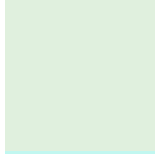
Original Color

84.8613, 0.2842, 0.3746



Protanomaly

83.7647, 0.3175, 0.3655



Deuteranomaly

83.4414, 0.3131, 0.3480



Tritanomaly

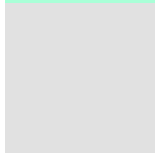
84.1503, 0.2838, 0.3365

Monochromacy



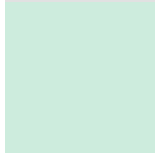
Original Color

84.8613, 0.2842, 0.3746



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.1905, 0.3015, 0.3455

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.8613, 0.2842, 0.3746 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(169, 255, 215)` looks like.

```
.text, #text, p{  
    color:rgb(169, 255, 215)  
}
```

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(169, 255, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 255, 215) }
```

Border

The CSS property to change the border of an element to Yxy 84.8613, 0.2842, 0.3746 is called "border". The border property can be set on classes, ids or directly on the HTML element.

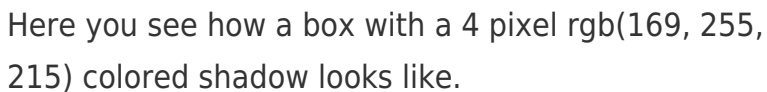
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(169, 255, 215) }
```

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

```
.border{ border-color:rgb(169, 255, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(169, 255, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 255, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 255, 215); box-shadow:4px 4px 4px 4px rgb(169, 255, 215) }
```


Background

The CSS property to change the background color of an element to Yxy 84.8613, 0.2842, 0.3746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 255, 215) }
```

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

```
.background{ background-color: rgb(169,  
255, 215) }
```

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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