

Converting Colors

$Yxy(99.3340, 0.2803, 0.3917)$

Have a look what the booklet for
Yxy(99.3340, 0.2803, 0.3917)
contains.

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Color

Yxy(84.3687, 0.2781, 0.3691)

Conversions

Conversions Part 1

Format	Color
Hex	A2FFDC
RGB	162, 255, 220
RGB Percent	64%, 100%, 86%
CMY	0.3650, 0.0000, 0.1373
CMYK	0.36, 0.00, 0.14, 0.00
HSL	157°, 100%, 82%
HSV	157°, 36%, 100%
XYZ	63.5680, 84.3687, 80.6429
YIQ	223.2030, -44.1930, -30.6010

Conversions

Conversions Part 2

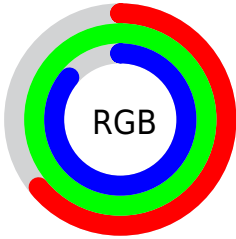
Format	Color
R _Y B	162, 219, 255
Decimal	10682332
CIE Lab	93.61, -35.20, 8.03
CIE LCh	94, 36.106, 167.149
Yxy	84.3687, 0.2781, 0.3691
Android (android.graphics.Color)	4288872412 (0xFFA2FFDC)
YUV	223.2030, -1.5791, -53.6750
Hunter-Lab	91.8524, -37.2080, 12.2424

Details

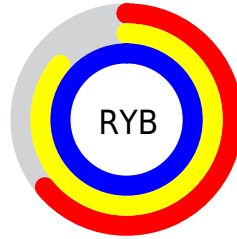
The Yxy color **84.3687, 0.2781, 0.3691** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **51.1057, 0.3678, 0.2927**, and the grayscale version is **73.9632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **46.1690, 0.2702, 0.3788** is the 20% darker color. If you saturate the color by 10%, you get **81.4642, 0.2707, 0.3824**, and if you desaturate by 10%, it is **87.8298, 0.2867, 0.3567**.

Distribution



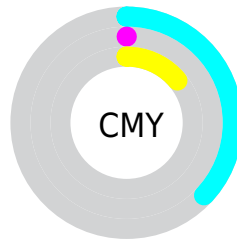
- Red (64%)
- Green (100%)
- Blue (86%)



- Red (64%)
- Yellow (86%)
- Blue (100%)



- Cyan (36%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)



- Cyan (37%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.3687, 0.2781, 0.3691 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 84.3687, 0.2781, 0.3691 by changing the saturation by 10% instead.


 84.3687, 0.2781,
0.3691


 84.3687, 0.2781,
0.3691


509.5368, 0.2939,
0.3505

 63.3199, 0.2745,
0.3733

 139.4908, 0.2835,
0.3626

 46.1000, 0.2702,
0.3786


 174.3329, 0.2857,
0.3601

 32.3248, 0.2647,
0.3853


214.5415, 0.2875,
0.3580

 21.6097, 0.2575,
0.3940

260.5011, 0.2891,
0.3561

 13.5704, 0.2479,
0.4059

312.5961, 0.2905,
0.3545

 7.8225, 0.2344,
0.4230

371.2107, 0.2918,

 3.9816, 0.2138,

0.3530

0.4497

436.7295, 0.2929,
0.3517

1.6633, 0.1725,
0.5010

0.3997, 0.0000,
1.0000

84.3687, 0.2781,
0.3691

84.3687, 0.2781,
0.3691

81.4642, 0.2707,
0.3824

87.8298, 0.2867,
0.3567

79.1038, 0.2647,
0.3964

91.8989, 0.2961,
0.3454

77.2434, 0.2605,
0.4109

96.5976, 0.3061,
0.3351

75.8411, 0.2584,
0.4257

100.0000, 0.3127,
0.3290

■ 74.8479, 0.2583,
0.4405

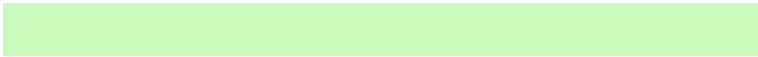
■ 74.2026, 0.2601,
0.4549

■ 74.0266, 0.2611,
0.4599

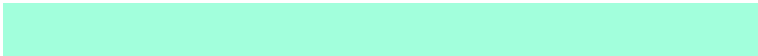
Harmonies

Analogous

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



84.3687, 0.3177, 0.3974



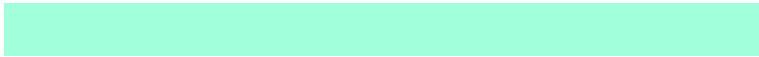
84.3687, 0.2781, 0.3691



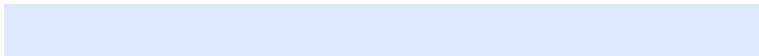
84.3687, 0.2490, 0.3289

Triad

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



84.3687, 0.2781, 0.3691



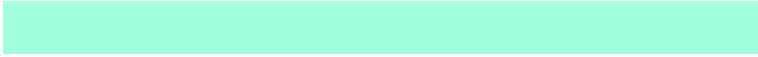
84.3687, 0.2662, 0.2620



84.3687, 0.3953, 0.3573

Complementary

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



84.3687, 0.2781, 0.3691



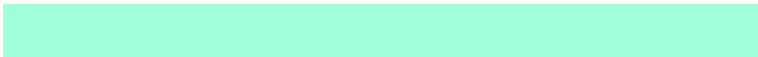
51.1057, 0.3678, 0.2927

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.



84.3687, 0.3801, 0.3237



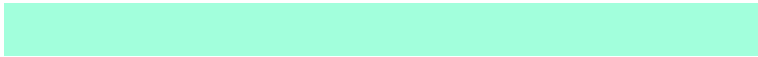
84.3687, 0.2781, 0.3691



84.3687, 0.3033, 0.2710

Square

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



84.3687, 0.2781, 0.3691



84.3687, 0.2427, 0.2688



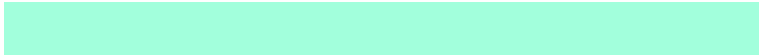
84.3687, 0.3455, 0.2930



84.3687, 0.3865, 0.3866

Rectangle

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



84.3687, 0.2781, 0.3691



84.3687, 0.2387, 0.3032



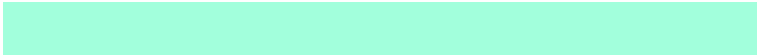
84.3687, 0.3455, 0.2930



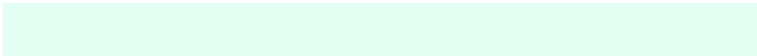
84.3687, 0.3929, 0.3462

Sweetspot

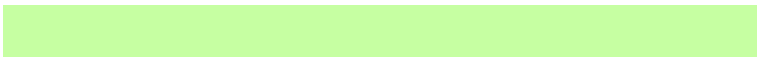
The Sweet Spot groups the original color and five complimentary colors.



84.3618, 0.2781, 0.3691



94.4018, 0.3015, 0.3396



86.0790, 0.3292, 0.4329



20.0699, 0.3002, 0.3410



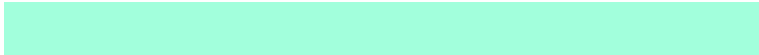
0.0000, 0.0000, 0.0000



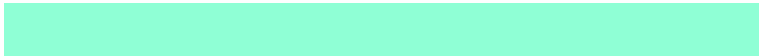
21.4041, 0.3127, 0.3290

Same Dimension

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



84.3618, 0.2781, 0.3691



82.1359, 0.2724, 0.3790



79.6815, 0.2597, 0.3168



20.3588, 0.3030, 0.3381



38.7105, 0.2604, 0.4575



3.7903, 0.2559, 0.4411

Inverse Universe

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



51.1057, 0.3678, 0.2927



44.3476, 0.3846, 0.2853



53.6737, 0.3977, 0.3407



18.1001, 0.3235, 0.3201



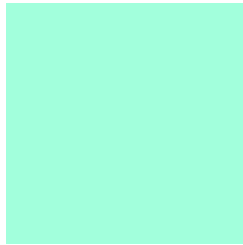
11.5757, 0.5481, 0.2793



1.1475, 0.5172, 0.2623

Previews

White Background



This preview shows how the Yxy color 84.3687, 0.2781, 0.3691 looks on a white background.

Color Contrast Check

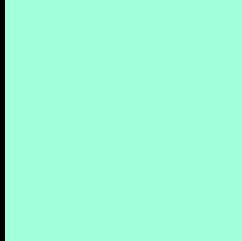
Large Text (above 18pt) WCAG AA × Fail

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 84.3687, 0.2781, 0.3691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

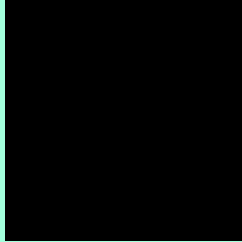
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

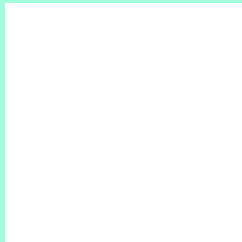
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.3687, 0.2781, 0.3691

Background



This preview shows how black text looks on a background with the Yxy color 84.3687, 0.2781, 0.3691.

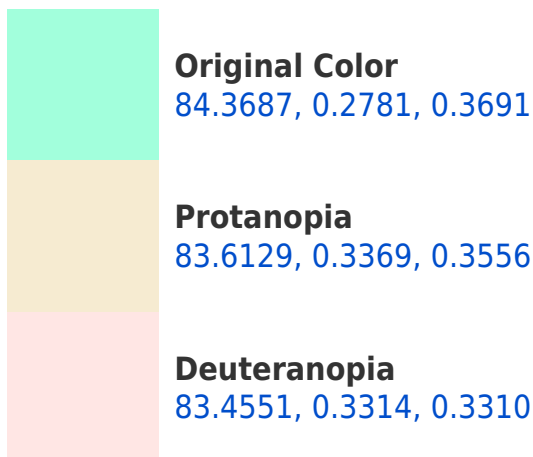


This preview shows how white text looks on a background with the Yxy color 84.3687, 0.2781, 0.3691.

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

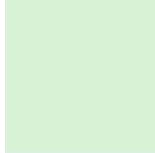
83.8777, 0.2808, 0.3163

Trichromacy



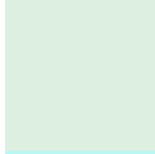
Original Color

84.3687, 0.2781, 0.3691



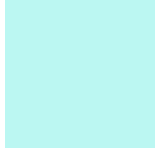
Protanomaly

82.7554, 0.3125, 0.3603



Deuteranomaly

82.5414, 0.3094, 0.3438



Tritanomaly

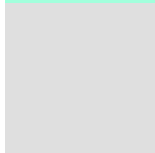
83.4971, 0.2794, 0.3344

Monochromacy



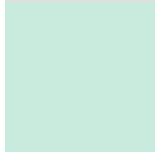
Original Color

84.3687, 0.2781, 0.3691



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.1081, 0.2983, 0.3434

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.3687, 0.2781, 0.3691 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(162, 255, 220)` looks like.

```
.text, #text, p{  
    color:rgb(162, 255, 220)  
}
```

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(162, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 255, 220) }
```

Border

The CSS property to change the border of an element to Yxy 84.3687, 0.2781, 0.3691 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(162, 255, 220) }
```

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

```
.border{ border-color:rgb(162, 255, 220) }
```

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

Here you see how a box with a 4 pixel rgb(162, 255, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(162, 255,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 84.3687, 0.2781, 0.3691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 255, 220) }
```

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

```
.background{ background-color: rgb(162,  
255, 220) }
```

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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