

Converting Colors

$Yxy(84.2346, 0.2765, 0.3676)$

Have a look what the booklet for
Yxy(84.2346, 0.2765, 0.3676)
contains.

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Color

Yxy(84.2140, 0.2766, 0.3680)

Conversions

Conversions Part 1

Format	Color
Hex	A0FFDD
RGB	160, 255, 221
RGB Percent	63%, 100%, 87%
CMY	0.3728, 0.0000, 0.1333
CMYK	0.37, 0.00, 0.13, 0.00
HSL	159°, 100%, 81%
HSV	159°, 37%, 100%
XYZ	63.2978, 84.2140, 81.3306
YIQ	222.7190, -45.7060, -30.7140

Conversions

Conversions Part 2

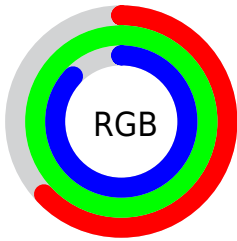
Format	Color
RYB	160, 218, 255
Decimal	10551261
CIELab	93.54, -35.53, 7.40
CIELCh	94, 36.296, 168.233
Yxy	84.2140, 0.2766, 0.3680
Android (android.graphics.Color)	4288741341 (0xFFA0FFDD)
YUV	222.7190, -0.8475, -55.0046
Hunter-Lab	91.7682, -37.4726, 11.6913

Details

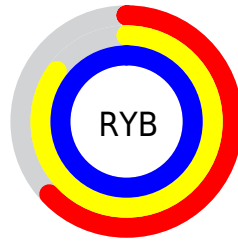
The Yxy color **84.2140, 0.2766, 0.3680** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **50.2675, 0.3712, 0.2937**, and the grayscale version is **73.5962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6454, 0.2906, 0.3289**, and **46.0844, 0.2685, 0.3774** is the 20% darker color. If you saturate the color by 10%, you get **81.3715, 0.2691, 0.3806**, and if you desaturate by 10%, it is **87.6077, 0.2853, 0.3562**.

Distribution



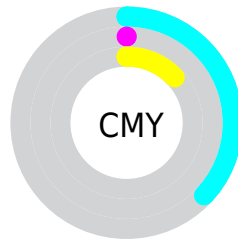
- Red (63%)
- Green (100%)
- Blue (87%)



- Red (63%)
- Yellow (85%)
- Blue (100%)



- Cyan (37%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (37%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.2140, 0.2766, 0.3680 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 84.2140, 0.2766, 0.3680 by changing the saturation by 10% instead.

 84.2140, 0.2766,
0.3680


 84.2140, 0.2766,
0.3680


509.0236, 0.2931,
0.3500

 63.1921, 0.2729,
0.3721

 139.2745, 0.2823,
0.3617

 45.9967, 0.2683,
0.3772

 174.0819, 0.2845,
0.3593

 32.2432, 0.2626,
0.3837


214.2533, 0.2864,
0.3572

 21.5473, 0.2552,
0.3921

260.1730, 0.2881,
0.3554

 13.5247, 0.2453,
0.4036

312.2256, 0.2896,
0.3538

 7.7908, 0.2313,
0.4201

370.7952, 0.2909,

 3.9614, 0.2102,

0.3524

0.4459

436.2664, 0.2920,
0.3511

1.6520, 0.1673,
0.4957

0.3923, 0.0000,
1.0000

84.2140, 0.2766,
0.3680

84.2140, 0.2766,
0.3680

81.3715, 0.2691,
0.3806

87.6077, 0.2853,
0.3562

79.0677, 0.2631,
0.3939

91.6044, 0.2949,
0.3454

77.2582, 0.2589,
0.4077

96.2256, 0.3051,
0.3355

75.9008, 0.2568,
0.4217

100.0000, 0.3127,
0.3290

■ 74.9459, 0.2567,
0.4357

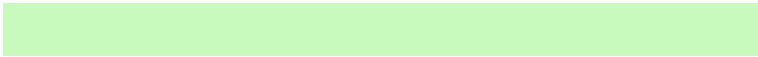
■ 74.3292, 0.2585,
0.4494

■ 74.1943, 0.2592,
0.4530

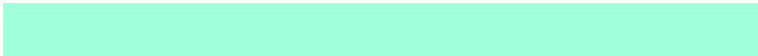
Harmonies

Analogous

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



84.2140, 0.3162, 0.3971



84.2140, 0.2766, 0.3680



84.2140, 0.2479, 0.3274

Triad

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



84.2140, 0.2766, 0.3680



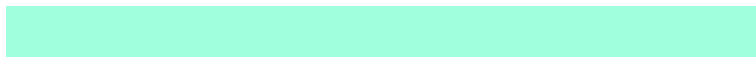
84.2140, 0.2671, 0.2617



84.2140, 0.3959, 0.3586

Complementary

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



84.2140, 0.2766, 0.3680



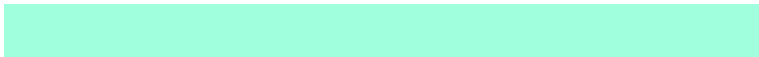
50.2675, 0.3712, 0.2937

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.



84.2140, 0.3815, 0.3249



84.2140, 0.2766, 0.3680



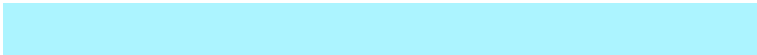
84.2140, 0.3048, 0.2713

Square

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



84.2140, 0.2766, 0.3680



84.2140, 0.2428, 0.2679



84.2140, 0.3472, 0.2938



84.2140, 0.3862, 0.3878

Rectangle

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



84.2140, 0.2766, 0.3680



84.2140, 0.2379, 0.3018



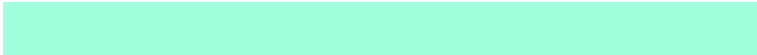
84.2140, 0.3472, 0.2938



84.2140, 0.3938, 0.3475

Sweetspot

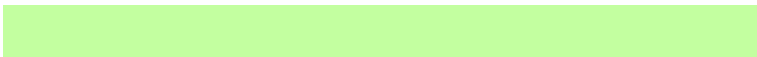
The Sweet Spot groups the original color and five complimentary colors.



84.2070, 0.2766, 0.3680



94.4336, 0.3013, 0.3391



85.6292, 0.3284, 0.4357



20.0775, 0.2999, 0.3404



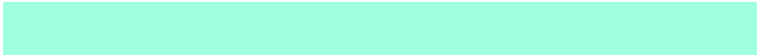
0.0000, 0.0000, 0.0000



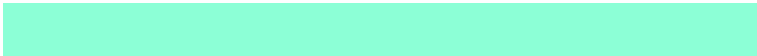
21.4041, 0.3127, 0.3290

Same Dimension

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



84.2070, 0.2766, 0.3680



81.9709, 0.2707, 0.3777



78.3831, 0.2584, 0.3147



20.3647, 0.3028, 0.3376



38.7977, 0.2586, 0.4508



3.7985, 0.2542, 0.4352

Inverse Universe

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



50.2675, 0.3712, 0.2937



43.4368, 0.3893, 0.2865



53.5306, 0.3997, 0.3426



18.0944, 0.3238, 0.3205



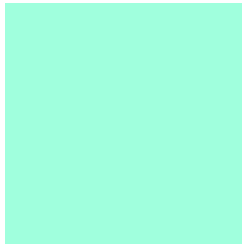
11.5308, 0.5554, 0.2833



1.1427, 0.5240, 0.2660

Previews

White Background



This preview shows how the Yxy color 84.2140, 0.2766, 0.3680 looks on a white background.

Color Contrast Check

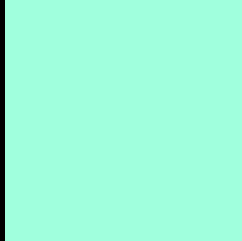
Large Text (above 18pt) WCAG AA × Fail

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 84.2140, 0.2766, 0.3680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

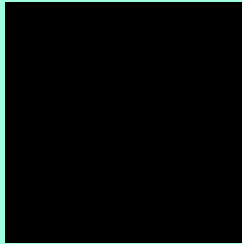
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.2140, 0.2766, 0.3680

Background



This preview shows how black text looks on a background with the Yxy color 84.2140, 0.2766, 0.3680.

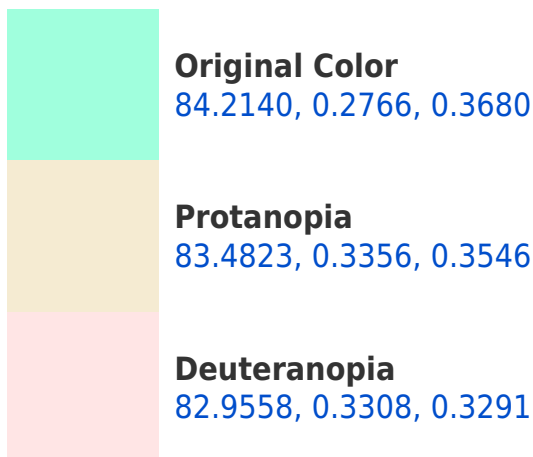


This preview shows how white text looks on a background with the Yxy color 84.2140, 0.2766, 0.3680.

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

83.7387, 0.2802, 0.3162

Trichromacy



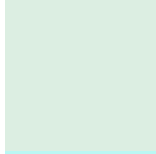
Original Color

84.2140, 0.2766, 0.3680



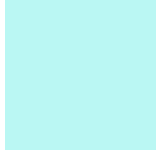
Protanomaly

82.6554, 0.3113, 0.3593



Deuteranomaly

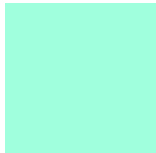
81.8557, 0.3082, 0.3417



Tritanomaly

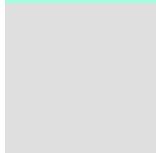
83.4317, 0.2784, 0.3333

Monochromacy



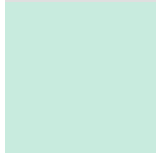
Original Color

84.2140, 0.2766, 0.3680



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

76.9699, 0.2977, 0.3434

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.2140, 0.2766, 0.3680 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(160, 255, 221)` looks like.

```
.text, #text, p{  
    color:rgb(160, 255, 221)  
}
```

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(160, 255, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 255, 221) }
```

Border

The CSS property to change the border of an element to Yxy 84.2140, 0.2766, 0.3680 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(160, 255, 221) }
```

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

```
.border{ border-color:rgb(160, 255, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 255, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 255, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 255, 221);  
box-shadow:4px 4px 4px 4px rgb(160, 255,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 84.2140, 0.2766, 0.3680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 255, 221) }
```

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

```
.background{ background-color: rgb(160,  
255, 221) }
```

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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