

Converting Colors

$Y_{xy}(102.9061, 0.2805, 0.3981)$

Have a look what the booklet for
Yxy(102.9061, 0.2805, 0.3981)
contains.

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Color

Yxy(84.1081, 0.2776, 0.3704)

Conversions

Conversions Part 1

Format	Color
Hex	A0FFDB
RGB	160, 255, 219
RGB Percent	63%, 100%, 86%
CMY	0.3727, 0.0000, 0.1412
CMYK	0.37, 0.00, 0.14, 0.00
HSL	157°, 100%, 81%
HSV	157°, 37%, 100%
XYZ	63.0357, 84.1081, 79.9299
YIQ	222.4910, -45.0640, -31.3360

Conversions

Conversions Part 2

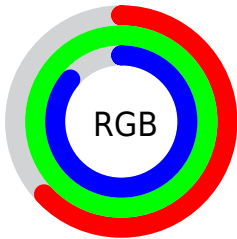
Format	Color
RYB	160, 219, 255
Decimal	10551259
CIELab	93.50, -35.94, 8.37
CIELCh	93, 36.901, 166.889
Yxy	84.1081, 0.2776, 0.3704
Android (android.graphics.Color)	4288741339 (0xFFA0FFDB)
YUV	222.4910, -1.7211, -54.8046
Hunter-Lab	91.7105, -37.8043, 12.5233

Details

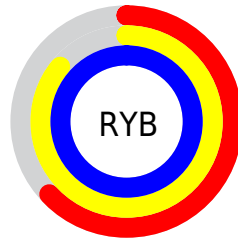
The Yxy color **84.1081, 0.2776, 0.3704** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **50.3677, 0.3692, 0.2917**, and the grayscale version is **73.4369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6454, 0.2906, 0.3289**, and **46.0116, 0.2697, 0.3806** is the 20% darker color. If you saturate the color by 10%, you get **81.2460, 0.2703, 0.3838**, and if you desaturate by 10%, it is **87.5286, 0.2861, 0.3579**.

Distribution



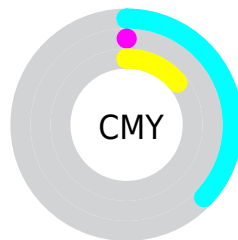
- Red (63%)
- Green (100%)
- Blue (86%)



- Red (63%)
- Yellow (86%)
- Blue (100%)



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.1081, 0.2776, 0.3704 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 84.1081, 0.2776, 0.3704 by changing the saturation by 10% instead.


 84.1081, 0.2776,
0.3704


 84.1081, 0.2776,
0.3704


508.6721, 0.2937,
0.3512

 63.1047, 0.2740,
0.3748


 139.1264, 0.2831,
0.3637

 45.9259, 0.2695,
0.3802


 173.9100, 0.2853,
0.3611

 32.1874, 0.2639,
0.3872


214.0559, 0.2872,
0.3589

 21.5046, 0.2566,
0.3962

259.9484, 0.2888,
0.3570

 13.4934, 0.2469,
0.4085

311.9718, 0.2902,
0.3553

 7.7692, 0.2330,
0.4264

370.5107, 0.2915,

 3.9476, 0.2120,

0.3537

0.4543

435.9493, 0.2926,
0.3524

■ 1.6443, 0.1680,
0.5089

■ 0.3872, 0.0000,
1.0000

■ 84.1081, 0.2776,
0.3704

■ 84.1081, 0.2776,
0.3704

■ 81.2460, 0.2703,
0.3838

■ 87.5286, 0.2861,
0.3579

■ 78.9236, 0.2645,
0.3980

■ 91.5533, 0.2954,
0.3464

■ 77.0985, 0.2605,
0.4127

■ 96.2058, 0.3053,
0.3359

■ 75.7285, 0.2585,
0.4276

100.0000, 0.3127,
0.3290

■ 74.7637, 0.2586,
0.4425

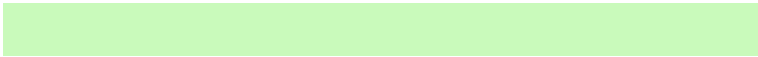
■ 74.1400, 0.2606,
0.4569

■ 74.0032, 0.2613,
0.4608

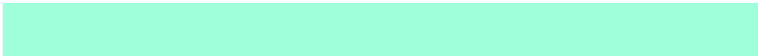
Harmonies

Analogous

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



84.1081, 0.3181, 0.3992



84.1081, 0.2776, 0.3704



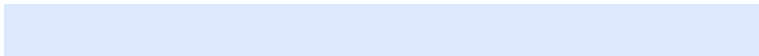
84.1081, 0.2478, 0.3292

Triad

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



84.1081, 0.2776, 0.3704



84.1081, 0.2649, 0.2606



84.1081, 0.3972, 0.3575

Complementary

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



84.1081, 0.2776, 0.3704



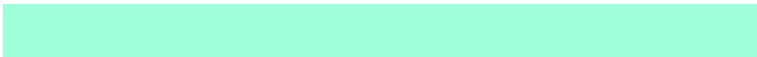
50.3677, 0.3692, 0.2917

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.



84.1081, 0.3815, 0.3232



84.1081, 0.2776, 0.3704



84.1081, 0.3027, 0.2696

Square

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



84.1081, 0.2776, 0.3704



84.1081, 0.2410, 0.2676



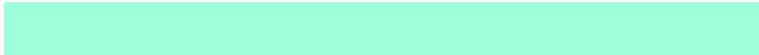
84.1081, 0.3459, 0.2920



84.1081, 0.3884, 0.3876

Rectangle

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



84.1081, 0.2776, 0.3704



84.1081, 0.2372, 0.3029



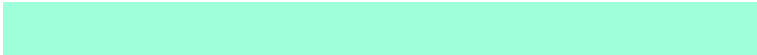
84.1081, 0.3459, 0.2920



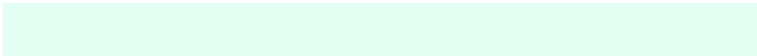
84.1081, 0.3947, 0.3461

Sweetspot

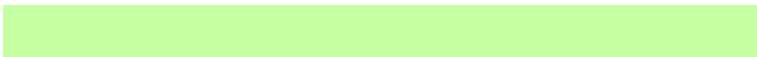
The Sweet Spot groups the original color and five complimentary colors.



84.1031, 0.2776, 0.3704



94.3973, 0.3016, 0.3397



85.8440, 0.3295, 0.4353



20.0688, 0.3002, 0.3411



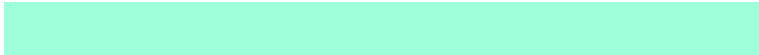
0.0000, 0.0000, 0.0000



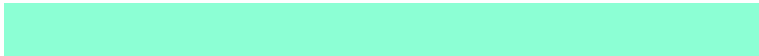
21.4041, 0.3127, 0.3290

Same Dimension

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



84.1031, 0.2776, 0.3704



81.8475, 0.2718, 0.3807



79.3363, 0.2587, 0.3165



20.3580, 0.3031, 0.3382



38.6983, 0.2607, 0.4585



3.7892, 0.2561, 0.4420

Inverse Universe

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



50.3677, 0.3692, 0.2917



43.5378, 0.3867, 0.2840



52.9372, 0.4003, 0.3409



18.1009, 0.3234, 0.3200



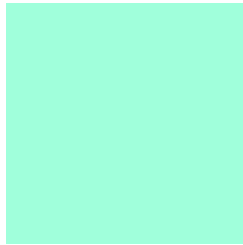
11.5823, 0.5470, 0.2787



1.1482, 0.5162, 0.2617

Previews

White Background



This preview shows how the Yxy color 84.1081, 0.2776, 0.3704 looks on a white background.

Color Contrast Check

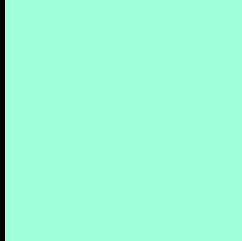
Large Text (above 18pt) WCAG AA × Fail

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 84.1081, 0.2776, 0.3704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

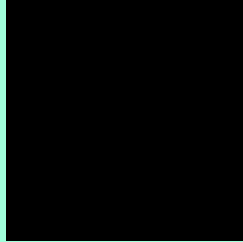
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.1081, 0.2776, 0.3704

Background



This preview shows how black text looks on a background with the Yxy color 84.1081, 0.2776, 0.3704.

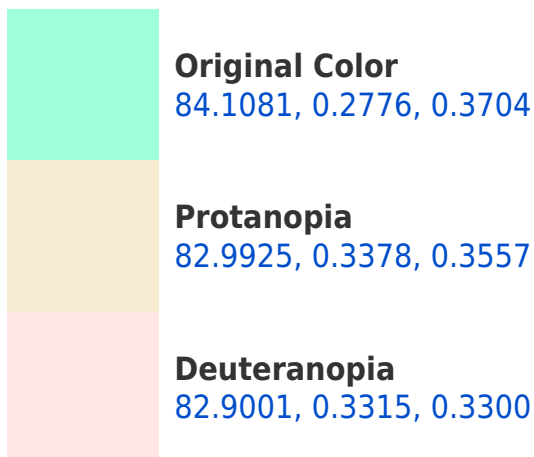


This preview shows how white text looks on a background with the Yxy color 84.1081, 0.2776, 0.3704.

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

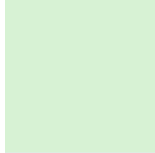
83.7387, 0.2802, 0.3162

Trichromacy



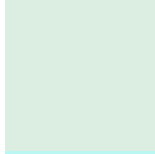
Original Color

84.1081, 0.2776, 0.3704



Protanomaly

82.7048, 0.3131, 0.3614



Deuteranomaly

81.8010, 0.3088, 0.3428



Tritanomaly

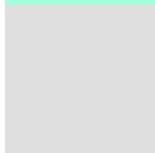
83.3714, 0.2789, 0.3344

Monochromacy



Original Color

84.1081, 0.2776, 0.3704



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.2082, 0.2976, 0.3435

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.1081, 0.2776, 0.3704 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(160, 255, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 255, 219) }
```

Border

The CSS property to change the border of an element to Yxy 84.1081, 0.2776, 0.3704 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, 219) }
```

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

```
.border{ border-color:rgb(160, 255, 219) }
```

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, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 255, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 255, 219);  
box-shadow:4px 4px 4px 4px rgb(160, 255,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 84.1081, 0.2776, 0.3704 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, 219) }
```

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

```
.background{ background-color: rgb(160,  
255, 219) }
```

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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