

Converting Colors

Yxy(84.3154, 0.2801, 0.3726)

Have a look what the booklet for
Yxy(84.3154, 0.2801, 0.3726)
contains.

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Color

Yxy(84.3163, 0.2801, 0.3726)

Conversions

Conversions Part 1

Format	Color
Hex	A3FFD9
RGB	163, 255, 217
RGB Percent	64%, 100%, 85%
CMY	0.3609, 0.0000, 0.1489
CMYK	0.36, 0.00, 0.15, 0.00
HSL	155°, 100%, 82%
HSV	155°, 36%, 100%
XYZ	63.3843, 84.3163, 78.5911
YIQ	223.1600, -42.6340, -31.3220

Conversions

Conversions Part 2

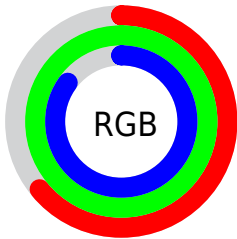
Format	Color
RYB	163, 221, 255
Decimal	10747865
CIELab	93.59, -35.53, 9.54
CIElCh	94, 36.784, 164.969
Yxy	84.3163, 0.2801, 0.3726
Android (android.graphics.Color)	4288937945 (0xFFA3FFD9)
YUV	223.1600, -3.0369, -52.7603
Hunter-Lab	91.8239, -37.4766, 13.5310

Details

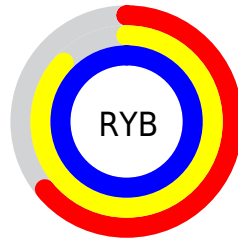
The Yxy color **84.3163, 0.2801, 0.3726** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **51.6555, 0.3638, 0.2897**, and the grayscale version is **73.9487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **46.1226, 0.2726, 0.3835** is the 20% darker color. If you saturate the color by 10%, you get **81.3579, 0.2730, 0.3872**, and if you desaturate by 10%, it is **87.8462, 0.2883, 0.3590**.

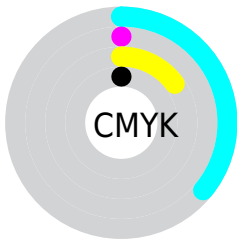
Distribution



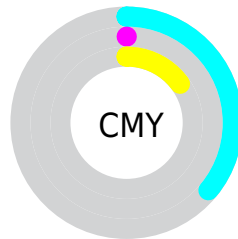
- Red (64%)
- Green (100%)
- Blue (85%)



- Red (64%)
- Yellow (87%)
- Blue (100%)



- Cyan (36%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (36%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.3163, 0.2801, 0.3726 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 84.3163, 0.2801, 0.3726 by changing the saturation by 10% instead.


 84.3163, 0.2801,
0.3726


 84.3163, 0.2801,
0.3726


509.3630, 0.2951,
0.3523

 63.2766, 0.2767,
0.3773


 139.4175, 0.2853,
0.3655

 46.0650, 0.2725,
0.3830


 174.2479, 0.2873,
0.3628

 32.2971, 0.2673,
0.3903


214.4439, 0.2890,
0.3605

 21.5886, 0.2604,
0.3999

260.3900, 0.2906,
0.3584

 13.5549, 0.2512,
0.4131

312.4706, 0.2919,
0.3566

 7.8117, 0.2380,
0.4321

371.0700, 0.2931,

 3.9747, 0.2179,

0.3550

0.4619

436.5727, 0.2941,
0.3536

1.6594, 0.1762,
0.5197

0.3972, 0.0000,
1.0000

84.3163, 0.2801,
0.3726

84.3163, 0.2801,
0.3726

81.3579, 0.2730,
0.3872

87.8462, 0.2883,
0.3590

78.9466, 0.2673,
0.4027

91.9874, 0.2973,
0.3465

77.0423, 0.2634,
0.4188

96.7652, 0.3068,
0.3353

75.6032, 0.2614,
0.4352

100.0000, 0.3127,
0.3290

■ 74.5804, 0.2615,
0.4514

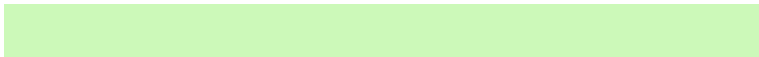
■ 73.9134, 0.2636,
0.4672

■ 73.7146, 0.2648,
0.4732

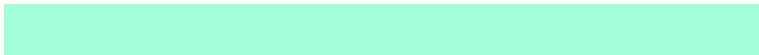
Harmonies

Analogous

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



84.3163, 0.3208, 0.4000



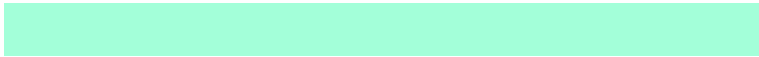
84.3163, 0.2801, 0.3726



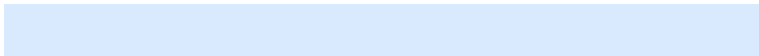
84.3163, 0.2495, 0.3319

Triad

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



84.3163, 0.2801, 0.3726



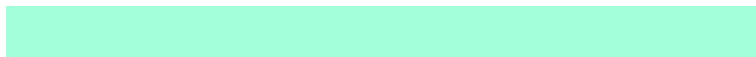
84.3163, 0.2631, 0.2608



84.3163, 0.3966, 0.3553

Complementary

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



84.3163, 0.2801, 0.3726



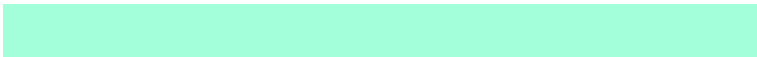
51.6555, 0.3638, 0.2897

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.



84.3163, 0.3794, 0.3211



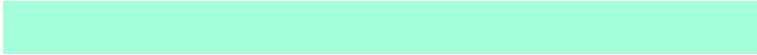
84.3163, 0.2801, 0.3726



84.3163, 0.3001, 0.2688

Square

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



84.3163, 0.2801, 0.3726



84.3163, 0.2403, 0.2688



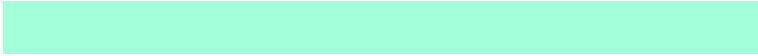
84.3163, 0.3431, 0.2904



84.3163, 0.3893, 0.3858

Rectangle

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



84.3163, 0.2801, 0.3726



84.3163, 0.2381, 0.3053



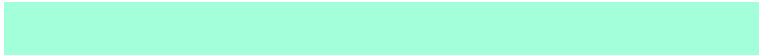
84.3163, 0.3431, 0.2904



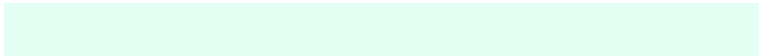
84.3163, 0.3935, 0.3439

Sweetspot

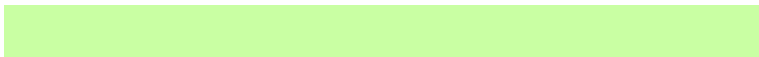
The Sweet Spot groups the original color and five complimentary colors.



84.3133, 0.2801, 0.3726



94.3395, 0.3021, 0.3407



86.6237, 0.3310, 0.4309



20.0550, 0.3008, 0.3422



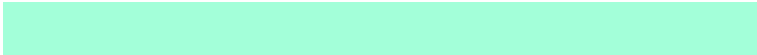
0.0000, 0.0000, 0.0000



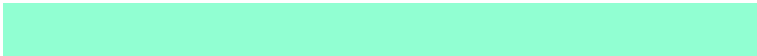
21.4041, 0.3127, 0.3290

Same Dimension

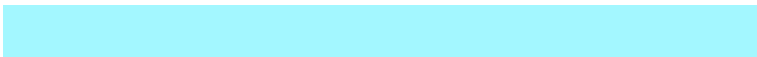
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.3133, 0.2801, 0.3726



82.2123, 0.2750, 0.3826



81.7263, 0.2607, 0.3204



20.3472, 0.3035, 0.3390



38.5479, 0.2641, 0.4707



3.7750, 0.2591, 0.4528

Inverse Universe

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



51.6555, 0.3638, 0.2897



45.3619, 0.3781, 0.2822



52.8901, 0.3976, 0.3373



18.1114, 0.3229, 0.3192



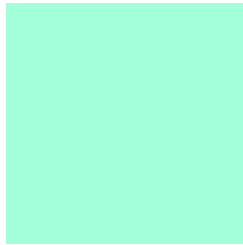
11.6722, 0.5332, 0.2711



1.1576, 0.5035, 0.2548

Previews

White Background



This preview shows how the Yxy color 84.3163, 0.2801, 0.3726 looks on a white background.

Color Contrast Check

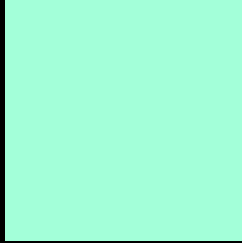
Large Text (above 18pt) WCAG AA × Fail

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 84.3163, 0.2801, 0.3726 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 84.3163, 0.2801, 0.3726

Background



This preview shows how black text looks on a background with the Yxy color 84.3163, 0.2801, 0.3726.

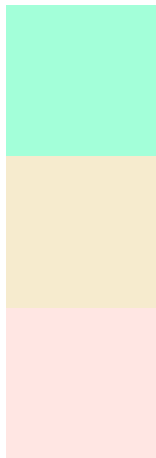


This preview shows how white text looks on a background with the Yxy color 84.3163, 0.2801, 0.3726.

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

84.3163, 0.2801, 0.3726

Protanopia

83.4657, 0.3389, 0.3587

Deuteranopia

83.3997, 0.3320, 0.3320



Tritanopia

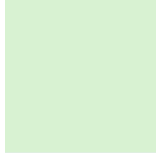
83.8777, 0.2808, 0.3163

Trichromacy



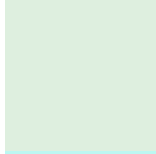
Original Color

84.3163, 0.2801, 0.3726



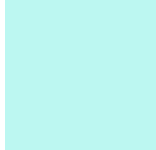
Protanomaly

82.7563, 0.3150, 0.3636



Deuteranomaly

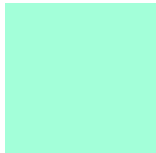
82.5903, 0.3113, 0.3459



Tritanomaly

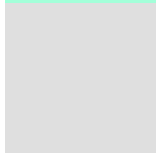
83.5638, 0.2805, 0.3355

Monochromacy



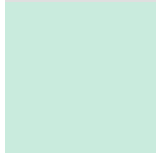
Original Color

84.3163, 0.2801, 0.3726



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.0546, 0.2989, 0.3445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.3163, 0.2801, 0.3726 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(163, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(163, 255, 217)  
}
```

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(163, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 255, 217) }
```

Border

The CSS property to change the border of an element to Yxy 84.3163, 0.2801, 0.3726 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(163, 255, 217) }
```

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

```
.border{ border-color:rgb(163, 255, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 255, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(163, 255,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 84.3163, 0.2801, 0.3726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 255, 217) }
```

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

```
.background{ background-color: rgb(163,  
255, 217) }
```

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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