

Converting Colors

$Yxy(84.0270, 0.2833, 0.3799)$

Have a look what the booklet for
Yxy(84.0270, 0.2833, 0.3799)
contains.

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Color

Yxy(84.0097, 0.2831, 0.3798)

Conversions

Conversions Part 1

Format	Color
Hex	A3FFD3
RGB	163, 255, 211
RGB Percent	64%, 100%, 83%
CMY	0.3609, 0.0000, 0.1724
CMYK	0.36, 0.00, 0.17, 0.00
HSL	151°, 100%, 82%
HSV	151°, 36%, 100%
XYZ	62.6202, 84.0097, 74.5647
YIQ	222.4760, -40.7080, -33.1880

Conversions

Conversions Part 2

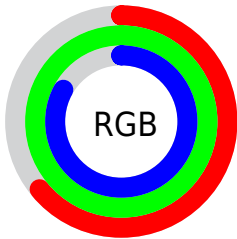
Format	Color
RYB	163, 223, 255
Decimal	10747859
CIELab	93.45, -36.71, 12.43
CIELCh	93, 38.761, 161.299
Yxy	84.0097, 0.2831, 0.3798
Android (android.graphics.Color)	4288937939 (0xFFA3FFD3)
YUV	222.4760, -5.6577, -52.1605
Hunter-Lab	91.6568, -38.4477, 15.9261

Details

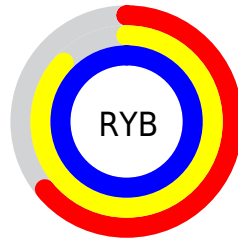
The Yxy color **84.0097, 0.2831, 0.3798** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **51.9447, 0.3582, 0.2837**, and the grayscale version is **73.4584, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **45.9143, 0.2762, 0.3931** is the 20% darker color. If you saturate the color by 10%, you get **80.9947, 0.2766, 0.3970**, and if you desaturate by 10%, it is **87.6103, 0.2906, 0.3639**.

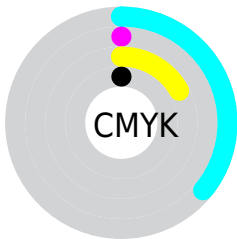
Distribution



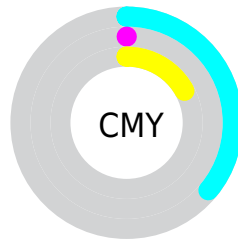
- Red (64%)
- Green (100%)
- Blue (83%)



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



- Cyan (36%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)



- Cyan (36%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.0097, 0.2831, 0.3798 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 84.0097, 0.2831, 0.3798 by changing the saturation by 10% instead.

 84.0097, 0.2831,
0.3798

 84.0097, 0.2831,
0.3798


508.3455, 0.2969,
0.3560

 63.0234, 0.2799,
0.3853

 138.9887, 0.2879,
0.3715

 45.8602, 0.2760,
0.3921


 173.7503, 0.2897,
0.3683

 32.1355, 0.2711,
0.4008


213.8725, 0.2913,
0.3655

 21.4650, 0.2646,
0.4123

259.7396, 0.2927,
0.3631

 13.4643, 0.2558,
0.4280

311.7360, 0.2940,
0.3610

 7.7491, 0.2431,
0.4509

370.2462, 0.2950,

 3.9348, 0.2232,

0.3592

0.4872

435.6546, 0.2960,
0.3575

■ 1.6372, 0.1785,
0.5627

■ 0.3825, 0.0000,
1.0000

■ 84.0097, 0.2831,
0.3798

■ 84.0097, 0.2831,
0.3798

■ 80.9947, 0.2766,
0.3970

■ 87.6103, 0.2906,
0.3639

■ 78.5364, 0.2715,
0.4151


■ 91.8325, 0.2988,
0.3494


■ 76.5958, 0.2681,
0.4339


■ 96.7035, 0.3074,
0.3363

■ 75.1307, 0.2667,
0.4530

100.0000, 0.3127,
0.3290

 74.0916, 0.2673,
0.4717

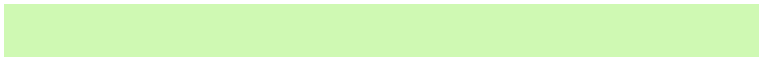
 73.4177, 0.2699,
0.4896

 73.2185, 0.2712,
0.4964

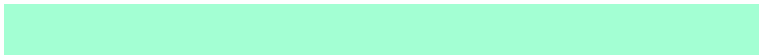
Harmonies

Analogous

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



84.0097, 0.3265, 0.4061



84.0097, 0.2831, 0.3798



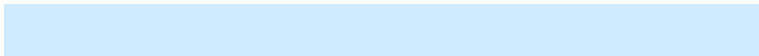
84.0097, 0.2492, 0.3373

Triad

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



84.0097, 0.2831, 0.3798



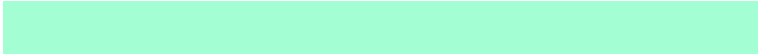
84.0097, 0.2566, 0.2574



84.0097, 0.4004, 0.3520

Complementary

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



84.0097, 0.2831, 0.3798



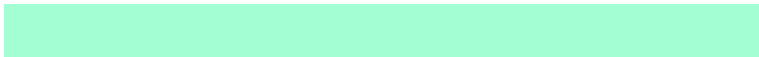
51.9447, 0.3582, 0.2837

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.



84.0097, 0.3793, 0.3163



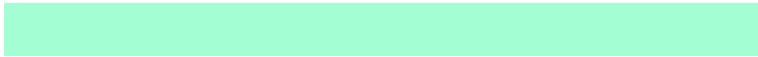
84.0097, 0.2831, 0.3798



84.0097, 0.2940, 0.2640

Square

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



84.0097, 0.2831, 0.3798



84.0097, 0.2350, 0.2679



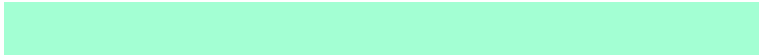
84.0097, 0.3392, 0.2850



84.0097, 0.3958, 0.3851

Rectangle

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



84.0097, 0.2831, 0.3798



84.0097, 0.2358, 0.3087



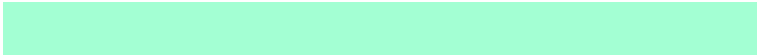
84.0097, 0.3392, 0.2850



84.0097, 0.3961, 0.3400

Sweetspot

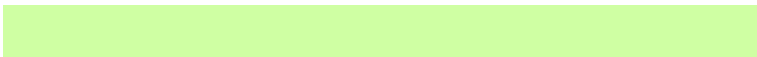
The Sweet Spot groups the original color and five complimentary colors.



84.0080, 0.2831, 0.3798



94.2296, 0.3031, 0.3425



87.4935, 0.3350, 0.4296



20.0288, 0.3020, 0.3443



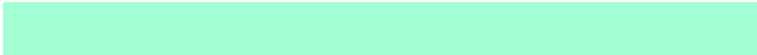
0.0000, 0.0000, 0.0000



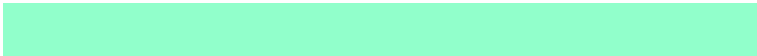
21.4041, 0.3127, 0.3290

Same Dimension

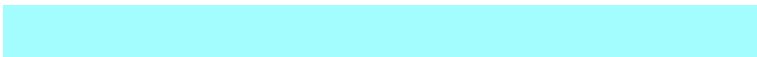
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0080, 0.2831, 0.3798



81.8652, 0.2785, 0.3915



85.5484, 0.2617, 0.3272



20.3267, 0.3044, 0.3406



38.2887, 0.2704, 0.4935



3.7501, 0.2648, 0.4734

Inverse Universe

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



51.9447, 0.3582, 0.2837



45.6828, 0.3707, 0.2750



50.6341, 0.4000, 0.3309



18.1316, 0.3219, 0.3177



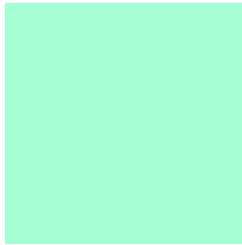
11.8704, 0.5059, 0.2561



1.1777, 0.4793, 0.2414

Previews

White Background



This preview shows how the Yxy color 84.0097, 0.2831, 0.3798 looks on a white background.

Color Contrast Check

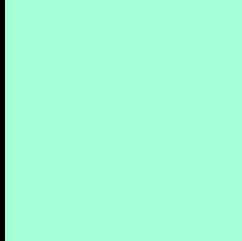
Large Text (above 18pt) WCAG AA × Fail

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 84.0097, 0.2831, 0.3798 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 84.0097, 0.2831, 0.3798

Background



This preview shows how black text looks on a background with the Yxy color 84.0097, 0.2831, 0.3798.

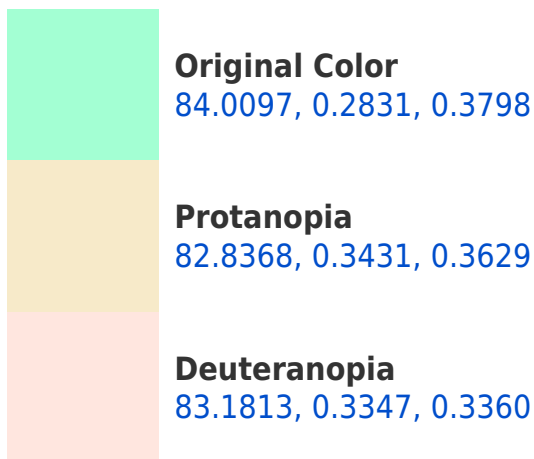


This preview shows how white text looks on a background with the Yxy color 84.0097, 0.2831, 0.3798.

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

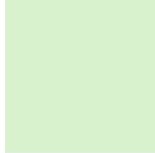
83.8777, 0.2808, 0.3163

Trichromacy



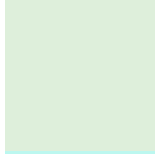
Original Color

84.0097, 0.2831, 0.3798



Protanomaly

82.5110, 0.3180, 0.3691



Deuteranomaly

82.3771, 0.3137, 0.3503



Tritanomaly

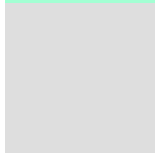
83.4449, 0.2816, 0.3377

Monochromacy



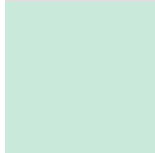
Original Color

84.0097, 0.2831, 0.3798



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.3251, 0.3007, 0.3468

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.0097, 0.2831, 0.3798 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, 211)` looks like.

```
.text, #text, p{  
    color:rgb(163, 255, 211)  
}
```

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, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 255, 211) }
```

Border

The CSS property to change the border of an element to Yxy 84.0097, 0.2831, 0.3798 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, 211) }
```

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

```
.border{ border-color:rgb(163, 255, 211) }
```

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, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 255, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 255, 211);  
box-shadow:4px 4px 4px 4px rgb(163, 255,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 84.0097, 0.2831, 0.3798 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, 211) }
```

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

```
.background{ background-color: rgb(163,  
255, 211) }
```

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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