

Converting Colors

Yxy(84.2668, 0.2830, 0.3775)

Have a look what the booklet for
Yxy(84.2668, 0.2830, 0.3775)
contains.

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Color

Yxy(84.3234, 0.2832, 0.3773)

Conversions

Conversions Part 1

Format	Color
Hex	A5FFD5
RGB	165, 255, 213
RGB Percent	65%, 100%, 84%
CMY	0.3527, 0.0000, 0.1648
CMYK	0.35, 0.00, 0.16, 0.00
HSL	152°, 100%, 82%
HSV	152°, 35%, 100%
XYZ	63.2928, 84.3234, 75.8754
YIQ	223.3020, -40.1580, -32.1420

Conversions

Conversions Part 2

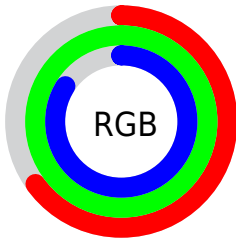
Format	Color
RYB	165, 224, 255
Decimal	10878933
CIELab	93.59, -35.75, 11.64
CIELCh	94, 37.595, 161.971
Yxy	84.3234, 0.2832, 0.3773
Android (android.graphics.Color)	4289069013 (0xFFA5FFD5)
YUV	223.3020, -5.0789, -51.1309
Hunter-Lab	91.8278, -37.6664, 15.2893

Details

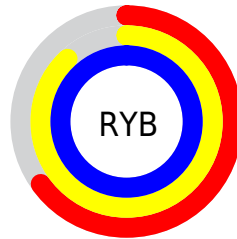
The Yxy color **84.3234, 0.2832, 0.3773** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **52.6979, 0.3577, 0.2857**, and the grayscale version is **74.0847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **46.1080, 0.2762, 0.3897** is the 20% darker color. If you saturate the color by 10%, you get **81.2757, 0.2765, 0.3940**, and if you desaturate by 10%, it is **87.9676, 0.2909, 0.3619**.

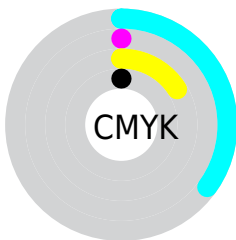
Distribution



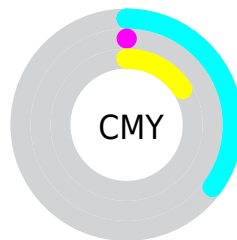
- Red (65%)
- Green (100%)
- Blue (84%)



- Red (65%)
- Yellow (88%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (35%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.3234, 0.2832, 0.3773 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 84.3234, 0.2832, 0.3773 by changing the saturation by 10% instead.


 84.3234, 0.2832,
0.3773


 84.3234, 0.2832,
0.3773

509.3865, 0.2969,
0.3547

 63.2825, 0.2801,
0.3825


 139.4275, 0.2879,
0.3694

 46.0698, 0.2762,
0.3889


 174.2594, 0.2898,
0.3664

 32.3009, 0.2713,
0.3972


214.4571, 0.2914,
0.3638

 21.5914, 0.2650,
0.4079

260.4051, 0.2928,
0.3615

 13.5570, 0.2563,
0.4227

312.4876, 0.2940,
0.3595

 7.8132, 0.2439,
0.4443


371.0891, 0.2950,


 3.9757, 0.2245,


0.3577

0.4782


436.5939, 0.2960,
0.3562

 1.6600, 0.1832,
0.5457


 0.3975, 0.0000,
1.0000


 84.3234, 0.2832,
0.3773


 84.3234, 0.2832,
0.3773


 81.2757, 0.2765,
0.3940


 87.9676, 0.2909,
0.3619

 78.7806, 0.2712,
0.4116

 92.2288, 0.2992,
0.3478

 76.8045, 0.2676,
0.4300

 97.1389, 0.3080,
0.3351

 75.3059, 0.2659,
0.4486

99.9987, 0.3127,
0.3290

■ 74.2360, 0.2662,
0.4670

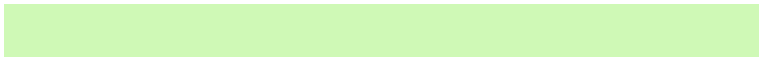
■ 73.5354, 0.2686,
0.4846

■ 73.2926, 0.2702,
0.4927

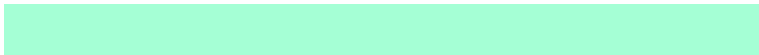
Harmonies

Analogous

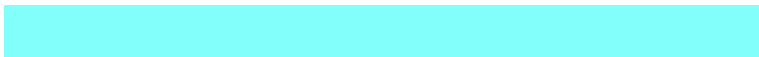
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3234, 0.3252, 0.4032



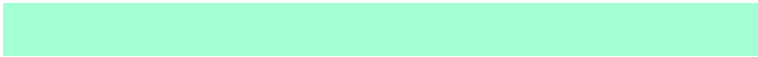
84.3234, 0.2832, 0.3773



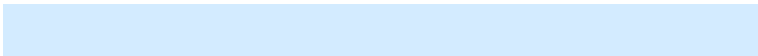
84.3234, 0.2506, 0.3362

Triad

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



84.3234, 0.2832, 0.3773



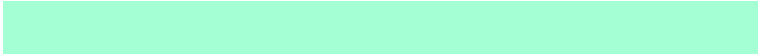
84.3234, 0.2590, 0.2594



84.3234, 0.3978, 0.3523

Complementary

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



84.3234, 0.2832, 0.3773



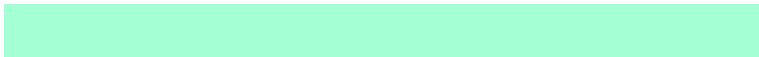
52.6979, 0.3577, 0.2857

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.



84.3234, 0.3779, 0.3175



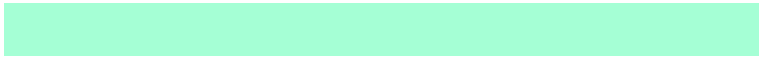
84.3234, 0.2832, 0.3773



84.3234, 0.2955, 0.2661

Square

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



84.3234, 0.2832, 0.3773



84.3234, 0.2375, 0.2693



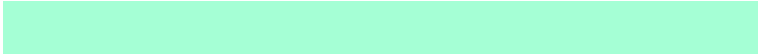
84.3234, 0.3394, 0.2869



84.3234, 0.3928, 0.3842

Rectangle

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



84.3234, 0.2832, 0.3773



84.3234, 0.2378, 0.3085



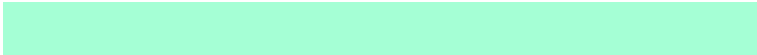
84.3234, 0.3394, 0.2869



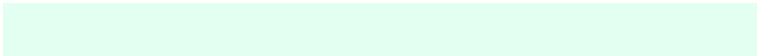
84.3234, 0.3938, 0.3406

Sweetspot

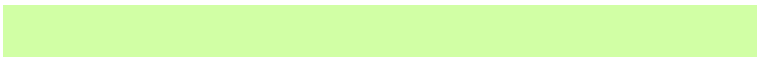
The Sweet Spot groups the original color and five complimentary colors.



84.3269, 0.2832, 0.3773



94.2473, 0.3030, 0.3422



87.7237, 0.3346, 0.4271



20.0330, 0.3018, 0.3440



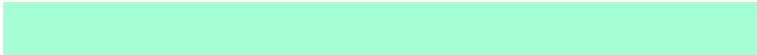
0.0000, 0.0000, 0.0000



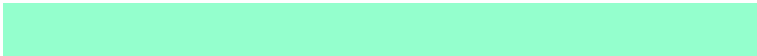
21.4041, 0.3127, 0.3290

Same Dimension

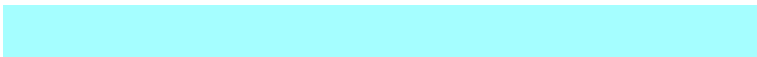
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.3269, 0.2832, 0.3773



82.2127, 0.2786, 0.3884



85.7910, 0.2626, 0.3272



20.3300, 0.3043, 0.3403



38.3281, 0.2694, 0.4899



3.7540, 0.2639, 0.4701

Inverse Universe

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



52.6979, 0.3577, 0.2857



46.4826, 0.3700, 0.2774



51.4521, 0.3972, 0.3308



18.1283, 0.3221, 0.3179



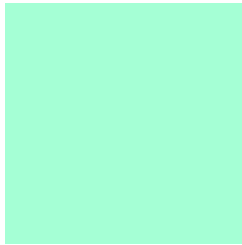
11.8359, 0.5104, 0.2585



1.1743, 0.4832, 0.2435

Previews

White Background



This preview shows how the Yxy color 84.3234, 0.2832, 0.3773 looks on a white background.

Color Contrast Check

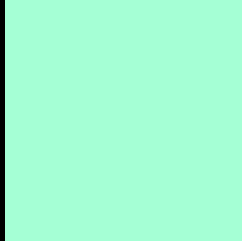
Large Text (above 18pt) WCAG AA × Fail

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 84.3234, 0.2832, 0.3773 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 84.3234, 0.2832, 0.3773

Background



This preview shows how black text looks on a background with the Yxy color 84.3234, 0.2832, 0.3773.

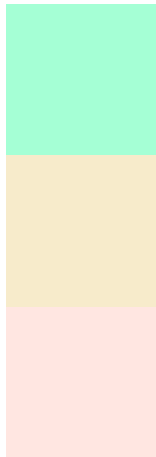


This preview shows how white text looks on a background with the Yxy color 84.3234, 0.2832, 0.3773.

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

84.3234, 0.2832, 0.3773

Protanopia

83.5026, 0.3416, 0.3618

Deuteranopia

83.2899, 0.3334, 0.3340



Tritanopia

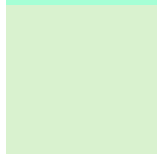
84.0177, 0.2813, 0.3163

Trichromacy



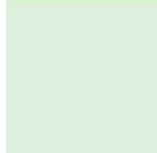
Original Color

84.3234, 0.2832, 0.3773



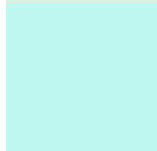
Protanomaly

82.7610, 0.3175, 0.3668



Deuteranomaly

82.4831, 0.3125, 0.3481



Tritanomaly

83.6316, 0.2816, 0.3365

Monochromacy



Original Color

84.3234, 0.2832, 0.3773



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.0877, 0.3007, 0.3468

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.3234, 0.2832, 0.3773 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(165, 255, 213)` looks like.

```
.text, #text, p{  
    color:rgb(165, 255, 213)  
}
```

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(165, 255, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 255, 213) }
```

Border

The CSS property to change the border of an element to Yxy 84.3234, 0.2832, 0.3773 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(165, 255, 213) }
```

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

```
.border{ border-color:rgb(165, 255, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 255, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 255, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 255, 213);  
box-shadow:4px 4px 4px 4px rgb(165, 255,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 84.3234, 0.2832, 0.3773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 255, 213) }
```

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

```
.background{ background-color: rgb(165,  
255, 213) }
```

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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