

Converting Colors

$Yxy(81.9569, 0.2876, 0.3830)$

Have a look what the booklet for
Yxy(81.9569, 0.2876, 0.3830)
contains.

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Color

Yxy(82.1356, 0.2876, 0.3837)

Conversions

Conversions Part 1

Format	Color
Hex	A6FCCD
RGB	166, 252, 205
RGB Percent	65%, 99%, 80%
CMY	0.3488, 0.0118, 0.1961
CMYK	0.34, 0.00, 0.19, 0.01
HSL	147°, 93%, 82%
HSV	147°, 34%, 99%
XYZ	61.5642, 82.1356, 70.3622
YIQ	220.9280, -36.1690, -32.8490

Conversions

Conversions Part 2

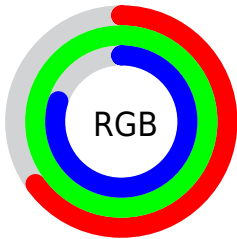
Format	Color
RYB	166, 225, 252
Decimal	10943693
CIELab	92.63, -35.64, 14.39
CIElCh	93, 38.435, 158.013
Yxy	82.1356, 0.2876, 0.3837
Android (android.graphics.Color)	4289133773 (0xFFA6FCCD)
YUV	220.9280, -7.8525, -48.1719
Hunter-Lab	90.6287, -37.3448, 17.4086

Details

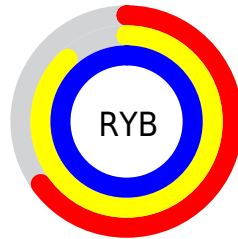
The Yxy color **82.1356, 0.2876, 0.3837** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **52.7964, 0.3495, 0.2804**, and the grayscale version is **72.3387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **44.6441, 0.2813, 0.3967** is the 20% darker color. If you saturate the color by 10%, you get **79.0394, 0.2816, 0.4033**, and if you desaturate by 10%, it is **85.8308, 0.2944, 0.3656**.

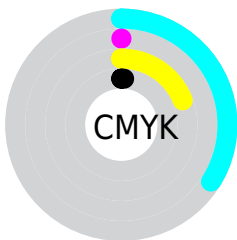
Distribution



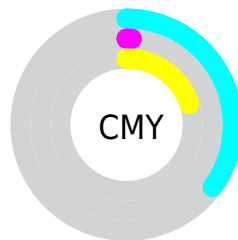
- Red (65%)
- Green (99%)
- Blue (80%)



- Red (65%)
- Yellow (88%)
- Blue (99%)



- Cyan (34%)
- Magenta (0%)
- Yellow (19%)
- Black (1%)





- Cyan (35%)
- Magenta (1%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.1356, 0.2876, 0.3837 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 82.1356, 0.2876, 0.3837 by changing the saturation by 10% instead.


 82.1356, 0.2876,
0.3837

 82.1356, 0.2876,
0.3837


502.1012, 0.2995,
0.3579

 61.4773, 0.2848,
0.3897


 136.3641, 0.2918,
0.3747

 44.6105, 0.2814,
0.3972


 170.7032, 0.2934,
0.3712

 31.1507, 0.2770,
0.4067


210.3713, 0.2947,
0.3682

 20.7137, 0.2712,
0.4193

255.7528, 0.2959,
0.3656

 12.9149, 0.2631,
0.4368

307.2322, 0.2970,
0.3633

 7.3699, 0.2513,
0.4624


365.1937, 0.2979,


 3.6945, 0.2324,


0.3613


0.5035


430.0219, 0.2987,
0.3595


 1.5042, 0.1852,
0.6064


 0.2917, 0.0000,
1.0000


 82.1356, 0.2876,
0.3837


 82.1356, 0.2876,
0.3837


 79.0394, 0.2816,
0.4033


 85.8308, 0.2944,
0.3656


 76.4992, 0.2769,
0.4241

 90.1450, 0.3018,
0.3493


 74.4824, 0.2737,
0.4456


 95.1098, 0.3095,
0.3345

 72.9483, 0.2723,
0.4674

 98.0979, 0.3128,
0.3261

 71.8502, 0.2729,
0.4886

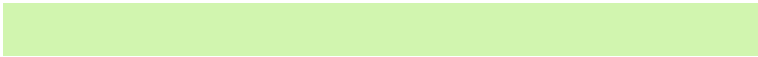
 71.1309, 0.2755,
0.5085

 70.8367, 0.2777,
0.5196

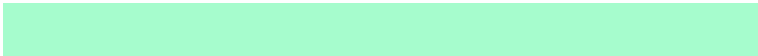
Harmonies

Analogous

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



82.1356, 0.3314, 0.4073



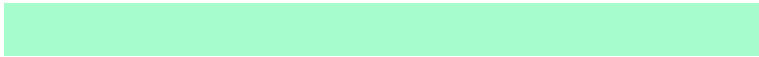
82.1356, 0.2876, 0.3837



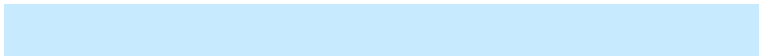
82.1356, 0.2522, 0.3422

Triad

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



82.1356, 0.2876, 0.3837



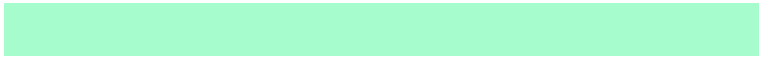
82.1356, 0.2535, 0.2577



82.1356, 0.3992, 0.3481

Complementary

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



82.1356, 0.2876, 0.3837



52.7964, 0.3495, 0.2804

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.



82.1356, 0.3755, 0.3125



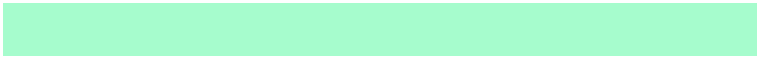
82.1356, 0.2876, 0.3837



82.1356, 0.2893, 0.2625

Square

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



82.1356, 0.2876, 0.3837



82.1356, 0.2338, 0.2701



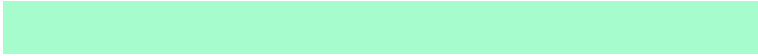
82.1356, 0.3342, 0.2822



82.1356, 0.3974, 0.3818

Rectangle

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



82.1356, 0.2876, 0.3837



82.1356, 0.2375, 0.3131



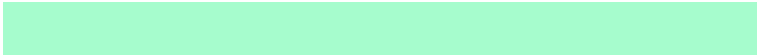
82.1356, 0.3342, 0.2822



82.1356, 0.3940, 0.3360

Sweetspot

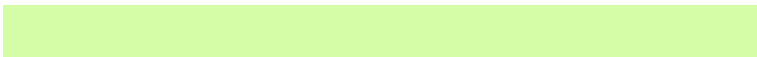
The Sweet Spot groups the original color and five complimentary colors.



82.1390, 0.2876, 0.3837



94.6144, 0.3050, 0.3430



86.5680, 0.3378, 0.4224



20.1012, 0.3039, 0.3451



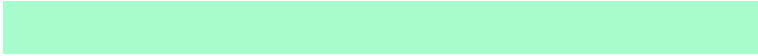
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



82.1390, 0.2876, 0.3837



82.1156, 0.2833, 0.3971



84.4901, 0.2663, 0.3336



19.4400, 0.3054, 0.3423



36.9300, 0.2768, 0.5165



3.4414, 0.2704, 0.4935

Inverse Universe

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



52.7964, 0.3495, 0.2804



47.7525, 0.3599, 0.2704



50.9050, 0.3895, 0.3247



17.3841, 0.3208, 0.3161



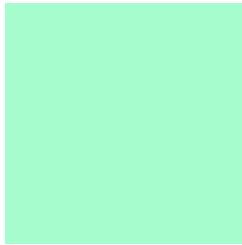
11.7639, 0.4764, 0.2398



1.1109, 0.4526, 0.2267

Previews

White Background



This preview shows how the Yxy color 82.1356, 0.2876, 0.3837 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 82.1356, 0.2876, 0.3837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

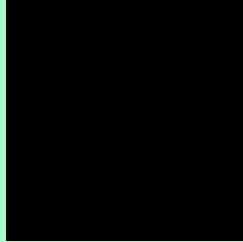
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.1356, 0.2876, 0.3837

Background



This preview shows how black text looks on a background with the Yxy color 82.1356, 0.2876, 0.3837.

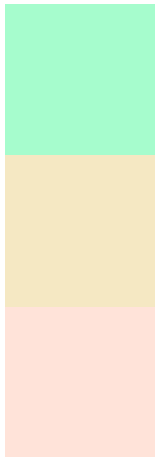


This preview shows how white text looks on a background with the Yxy color 82.1356, 0.2876, 0.3837.

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

82.1356, 0.2876, 0.3837

Protanopia

81.0658, 0.3460, 0.3673

Deuteranopia

81.2079, 0.3392, 0.3391



Tritanopia

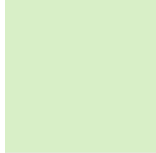
81.8664, 0.2772, 0.3140

Trichromacy



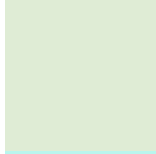
Original Color

82.1356, 0.2876, 0.3837



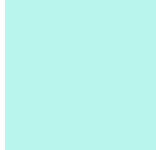
Protanomaly

80.4555, 0.3220, 0.3727



Deuteranomaly

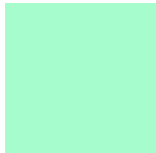
80.4830, 0.3183, 0.3536



Tritanomaly

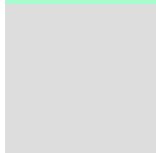
81.7335, 0.2808, 0.3377

Monochromacy



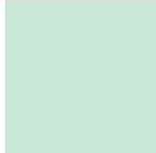
Original Color

82.1356, 0.2876, 0.3837



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.0370, 0.3025, 0.3481

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.1356, 0.2876, 0.3837 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(166, 252, 205)` looks like.

```
.text, #text, p{  
    color:rgb(166, 252, 205)  
}
```

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(166, 252, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 252, 205) }
```

Border

The CSS property to change the border of an element to Yxy 82.1356, 0.2876, 0.3837 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(166, 252, 205) }
```

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

```
.border{ border-color:rgb(166, 252, 205) }
```

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

Here you see how a box with a 4 pixel rgb(166, 252, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 252, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 252, 205);  
box-shadow:4px 4px 4px 4px rgb(166, 252,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 82.1356, 0.2876, 0.3837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 252, 205) }
```

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

```
.background{ background-color: rgb(166,  
252, 205) }
```

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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