

Converting Colors

$Y_{xy}(81.8278, 0.2896, 0.3939)$

Have a look what the booklet for
Yxy(81.8278, 0.2896, 0.3939)
contains.

| | |
|--|----|
| Yxy(82.1143, 0.2896, 0.3936) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(82.1143, 0.2896, 0.3936)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | A3FDC6 |
| RGB | 163, 253, 198 |
| RGB Percent | 64%, 99%, 78% |
| CMY | 0.3609, 0.0078, 0.2235 |
| CMYK | 0.36, 0.00, 0.22, 0.01 |
| HSL | 143°, 96%, 82% |
| HSV | 143°, 36%, 99% |
| XYZ | 60.4174, 82.1143, 66.0920 |
| YIQ | 219.8200, -35.9850, -36.1850 |

Conversions

Conversions Part 2

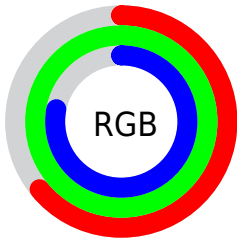
| Format | Color |
|-------------------------------------|--|
| RYB | 163, 228, 253 |
| Decimal | 10747334 |
| CIELab | 92.63, -38.30, 17.94 |
| CIELCh | 93, 42.297, 154.896 |
| Yxy | 82.1143, 0.2896, 0.3936 |
| Android (android.graphics.Color) | 4288937414 (0xFFA3FDC6) |
| YUV | 219.8200, -10.7573, -49.8311 |
| Hunter-Lab | 90.6169, -39.5676, 20.1883 |

Details

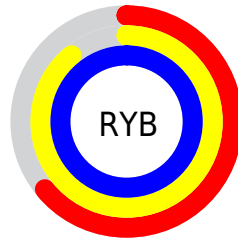
The Yxy color **82.1143, 0.2896, 0.3936** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **52.1281, 0.3464, 0.2725**, and the grayscale version is **71.5303, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **44.6816, 0.2840, 0.4099** is the 20% darker color. If you saturate the color by 10%, you get **79.0321, 0.2844, 0.4159**, and if you desaturate by 10%, it is **85.8102, 0.2956, 0.3730**.

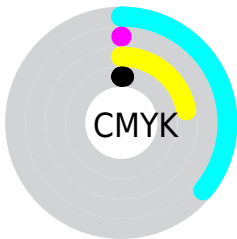
Distribution



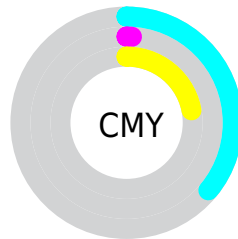
- Red (64%)
- Green (99%)
- Blue (78%)



- Red (64%)
- Yellow (89%)
- Blue (99%)



- Cyan (36%)
- Magenta (0%)
- Yellow (22%)
- Black (1%)





- Cyan (36%)
- Magenta (1%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.1143, 0.2896, 0.3936 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 82.1143, 0.2896, 0.3936 by changing the saturation by 10% instead.

 82.1143, 0.2896,
0.3936


 82.1143, 0.2896,
0.3936


502.0299, 0.3007,
0.3630

 61.4598, 0.2870,
0.4008


 136.3343, 0.2935,
0.3828

 44.5963, 0.2836,
0.4097


 170.6685, 0.2951,
0.3787

 31.1396, 0.2793,
0.4212


210.3314, 0.2963,
0.3751

 20.7052, 0.2736,
0.4363

255.7074, 0.2975,
0.3721

 12.9087, 0.2655,
0.4574

307.1808, 0.2984,
0.3694

 7.3657, 0.2534,
0.4884


365.1361, 0.2993,


 3.6918, 0.2334,


0.3670


0.5381


429.9577, 0.3001,
0.3649


 1.5027, 0.1819,
0.6946


 0.2906, 0.0000,
1.0000


 82.1143, 0.2896,
0.3936


 82.1143, 0.2896,
0.3936


 79.0321, 0.2844,
0.4159

 85.8102, 0.2956,
0.3730

 76.5194, 0.2804,
0.4394

 90.1412, 0.3021,
0.3543

 74.5416, 0.2780,
0.4635

 95.1398, 0.3089,
0.3375

 73.0563, 0.2773,
0.4874

 98.7372, 0.3128,
0.3271

■ 72.0143, 0.2785,
0.5102

■ 71.3548, 0.2815,
0.5309

■ 71.1475, 0.2831,
0.5393

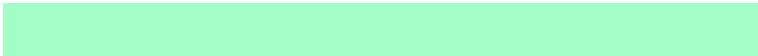
Harmonies

Analogous

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



82.1143, 0.3378, 0.4168



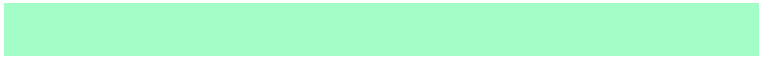
82.1143, 0.2896, 0.3936



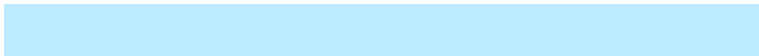
82.1143, 0.2496, 0.3485

Triad

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



82.1143, 0.2896, 0.3936



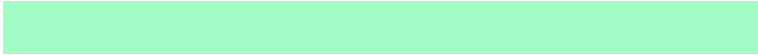
82.1143, 0.2447, 0.2516



82.1143, 0.4066, 0.3452

Complementary

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



82.1143, 0.2896, 0.3936



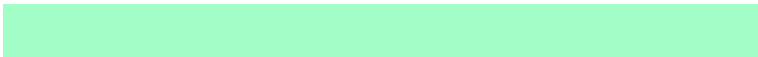
52.1281, 0.3464, 0.2725

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.



82.1143, 0.3778, 0.3069



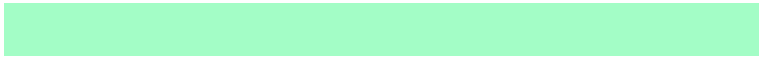
82.1143, 0.2896, 0.3936



82.1143, 0.2821, 0.2552

Square

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



82.1143, 0.2896, 0.3936



82.1143, 0.2255, 0.2668



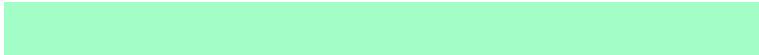
82.1143, 0.3309, 0.2750



82.1143, 0.4073, 0.3828

Rectangle

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



82.1143, 0.2896, 0.3936



82.1143, 0.2323, 0.3159



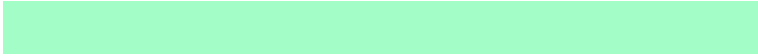
82.1143, 0.3309, 0.2750



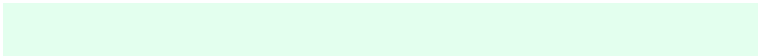
82.1143, 0.3998, 0.3322

Sweetspot

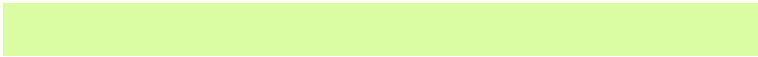
The Sweet Spot groups the original color and five complimentary colors.



82.1177, 0.2896, 0.3936



94.0078, 0.3052, 0.3464



87.8821, 0.3428, 0.4255



19.9760, 0.3043, 0.3487



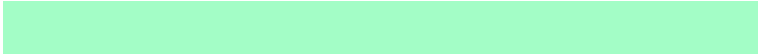
0.0000, 0.0000, 0.0000



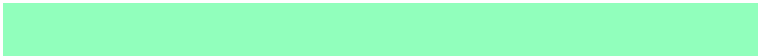
21.4041, 0.3127, 0.3290

Same Dimension

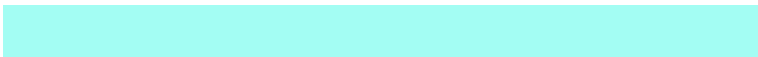
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.1177, 0.2896, 0.3936



81.2031, 0.2857, 0.4100



84.4816, 0.2674, 0.3406



20.2852, 0.3062, 0.3439



37.8708, 0.2823, 0.5363



3.7080, 0.2760, 0.5136

Inverse Universe

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



52.1281, 0.3464, 0.2725



46.3883, 0.3562, 0.2608



50.1030, 0.3885, 0.3181



18.1736, 0.3198, 0.3146



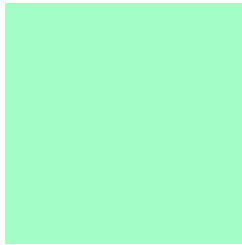
12.3893, 0.4500, 0.2252



1.2277, 0.4312, 0.2149

Previews

White Background



This preview shows how the Yxy color 82.1143, 0.2896, 0.3936 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 82.1143, 0.2896, 0.3936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

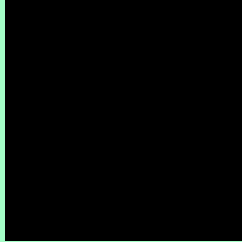
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.1143, 0.2896, 0.3936

Background



This preview shows how black text looks on a background with the Yxy color 82.1143, 0.2896, 0.3936.

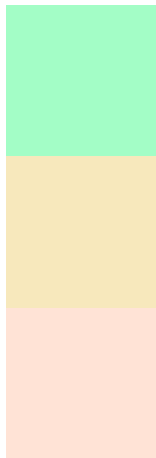


This preview shows how white text looks on a background with the Yxy color 82.1143, 0.2896, 0.3936.

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

82.1143, 0.2896, 0.3936

Protanopia

81.1182, 0.3522, 0.3745

Deuteranopia

81.0532, 0.3413, 0.3421



Tritanopia

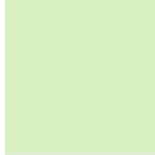
81.8664, 0.2772, 0.3140

Trichromacy



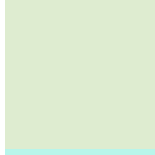
Original Color

82.1143, 0.2896, 0.3936



Protanomaly

80.7249, 0.3262, 0.3816



Deuteranomaly

80.0746, 0.3207, 0.3592



Tritanomaly

81.4357, 0.2818, 0.3411

Monochromacy



Original Color

82.1143, 0.2896, 0.3936



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

74.6088, 0.3030, 0.3516

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.1143, 0.2896, 0.3936 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, 253, 198)` looks like.

```
.text, #text, p{  
    color:rgb(163, 253, 198)  
}
```

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, 253, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 253, 198) }
```

Border

The CSS property to change the border of an element to Yxy 82.1143, 0.2896, 0.3936 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, 253, 198) }
```

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

```
.border{ border-color:rgb(163, 253, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 253, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 253, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 253, 198);  
box-shadow:4px 4px 4px 4px rgb(163, 253,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 82.1143, 0.2896, 0.3936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 253, 198) }
```

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

```
.background{ background-color: rgb(163,  
253, 198) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor