

Converting Colors

$Yxy(82.8582, 0.2856, 0.3938)$

Have a look what the booklet for
Yxy(82.8582, 0.2856, 0.3938)
contains.

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Color

Yxy(82.8582, 0.2856, 0.3938)

Conversions

Conversions Part 1

Format	Color
Hex	9DFFC8
RGB	157, 255, 200
RGB Percent	62%, 100%, 78%
CMY	0.3842, 0.0000, 0.2158
CMYK	0.38, 0.00, 0.22, 0.00
HSL	146°, 100%, 81%
HSV	146°, 38%, 100%
XYZ	60.0922, 82.8582, 67.4564
YIQ	219.4280, -40.7530, -37.8810

Conversions

Conversions Part 2

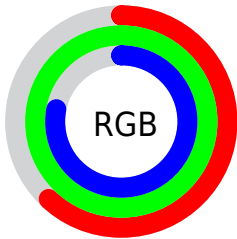
Format	Color
RYB	157, 225, 255
Decimal	10354632
CIELab	92.95, -40.48, 17.35
CIELCh	93, 44.046, 156.800
Yxy	82.8582, 0.2856, 0.3938
Android (android.graphics.Color)	4288544712 (0xFF9DFFC8)
YUV	219.4280, -9.5780, -54.7494
Hunter-Lab	91.0265, -41.4575, 19.7809

Details

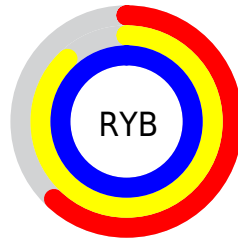
The Yxy color **82.8582, 0.2856, 0.3938** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **50.1407, 0.3545, 0.2727**, and the grayscale version is **71.2449, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **45.2302, 0.2788, 0.4101** is the 20% darker color. If you saturate the color by 10%, you get **79.9186, 0.2802, 0.4145**, and if you desaturate by 10%, it is **86.4004, 0.2920, 0.3745**.

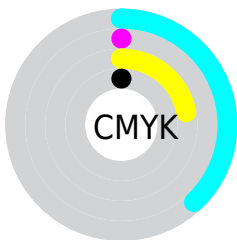
Distribution



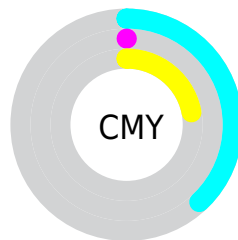
- Red (62%)
- Green (100%)
- Blue (78%)



- Red (62%)
- Yellow (88%)
- Blue (100%)



- Cyan (38%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (38%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.8582, 0.2856, 0.3938 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 82.8582, 0.2856, 0.3938 by changing the saturation by 10% instead.


 82.8582, 0.2856,
0.3938

 82.8582, 0.2856,
0.3938


504.5138, 0.2985,
0.3631

 62.0732, 0.2826,
0.4010


 137.3768, 0.2902,
0.3830

 45.0918, 0.2788,
0.4099


 171.8793, 0.2919,
0.3789

 31.5298, 0.2739,
0.4214


211.7229, 0.2934,
0.3753

 21.0026, 0.2674,
0.4365

257.2922, 0.2947,
0.3722

 13.1259, 0.2584,
0.4575

308.9716, 0.2958,
0.3695

 7.5153, 0.2450,
0.4884

367.1454, 0.2968,

 3.7864, 0.2234,

0.3671

0.5378

432.1980, 0.2977,
0.3650

■ 1.5548, 0.1645,
0.6827

■ 0.3268, 0.0000,
1.0000

■ 82.8582, 0.2856,
0.3938

■ 82.8582, 0.2856,
0.3938

■ 79.9186, 0.2802,
0.4145

■ 86.4004, 0.2920,
0.3745

■ 77.5393, 0.2762,
0.4363

■ 90.5706, 0.2990,
0.3569

■ 75.6836, 0.2739,
0.4586

■ 95.4009, 0.3064,
0.3410

■ 74.3071, 0.2735,
0.4808

100.0000, 0.3127,
0.3290

■ 73.3575, 0.2751,
0.5019

■ 72.7622, 0.2784,
0.5214

■ 72.6852, 0.2790,
0.5244

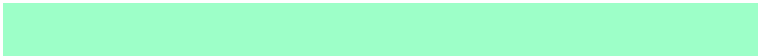
Harmonies

Analogous

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



82.8582, 0.3354, 0.4197



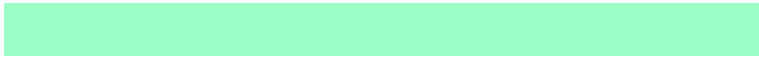
82.8582, 0.2856, 0.3938



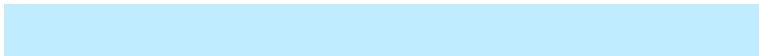
82.8582, 0.2452, 0.3459

Triad

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



82.8582, 0.2856, 0.3938



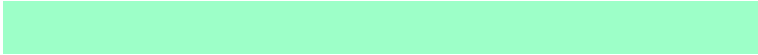
82.8582, 0.2442, 0.2486



82.8582, 0.4112, 0.3481

Complementary

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



82.8582, 0.2856, 0.3938



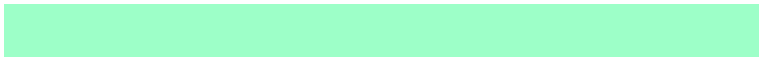
50.1407, 0.3545, 0.2727

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.



82.8582, 0.3829, 0.3084



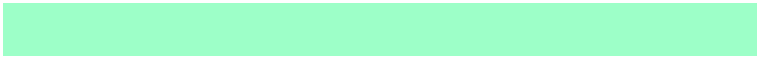
82.8582, 0.2856, 0.3938



82.8582, 0.2839, 0.2535

Square

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



82.8582, 0.2856, 0.3938



82.8582, 0.2232, 0.2629



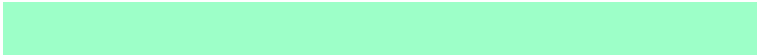
82.8582, 0.3349, 0.2749



82.8582, 0.4099, 0.3868

Rectangle

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



82.8582, 0.2856, 0.3938



82.8582, 0.2283, 0.3122



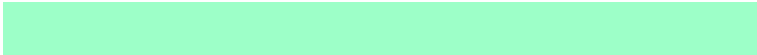
82.8582, 0.3349, 0.2749



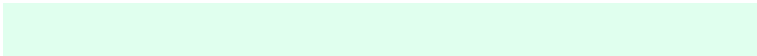
82.8582, 0.4048, 0.3346

Sweetspot

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



82.8605, 0.2856, 0.3938



93.5935, 0.3037, 0.3465



88.0339, 0.3416, 0.4348



19.8964, 0.3027, 0.3486



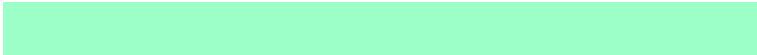
0.0000, 0.0000, 0.0000



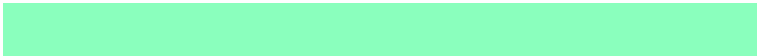
21.4041, 0.3127, 0.3290

Same Dimension

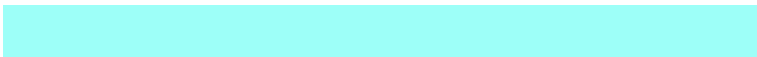
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8605, 0.2856, 0.3938



80.5772, 0.2814, 0.4094



85.4977, 0.2622, 0.3361



20.3005, 0.3056, 0.3427



38.0084, 0.2781, 0.5213



3.7222, 0.2720, 0.4991

Inverse Universe

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



50.1407, 0.3545, 0.2727



43.6903, 0.3663, 0.2618



48.0492, 0.4023, 0.3224



18.1580, 0.3206, 0.3157



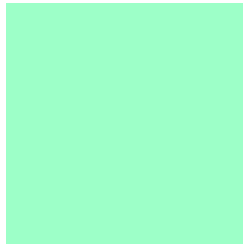
12.1789, 0.4704, 0.2365



1.2078, 0.4486, 0.2245

Previews

White Background



This preview shows how the Yxy color 82.8582, 0.2856, 0.3938 looks on a white background.

Color Contrast Check

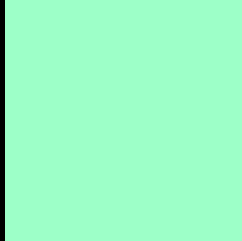
Large Text (above 18pt) WCAG AA × Fail

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 82.8582, 0.2856, 0.3938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

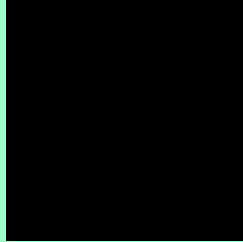
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.8582, 0.2856, 0.3938

Background



This preview shows how black text looks on a background with the Yxy color 82.8582, 0.2856, 0.3938.

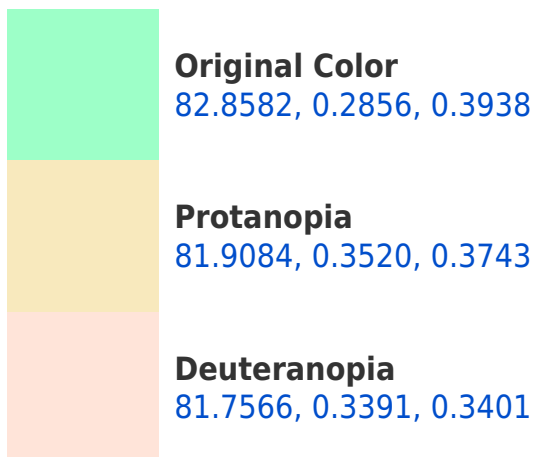


This preview shows how white text looks on a background with the Yxy color 82.8582, 0.2856, 0.3938.

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

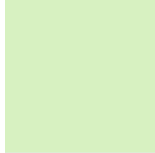
82.4600, 0.2773, 0.3151

Trichromacy



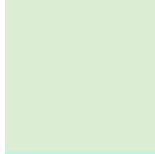
Original Color

82.8582, 0.2856, 0.3938



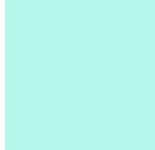
Protanomaly

81.2079, 0.3247, 0.3816



Deuteranomaly

80.9123, 0.3167, 0.3581



Tritanomaly

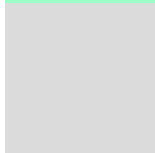
82.4648, 0.2803, 0.3422

Monochromacy



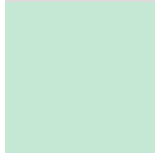
Original Color

82.8582, 0.2856, 0.3938



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.2025, 0.3010, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8582, 0.2856, 0.3938 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(157, 255, 200)` looks like.

```
.text, #text, p{  
    color:rgb(157, 255, 200)  
}
```

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(157, 255, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 255, 200) }
```

Border

The CSS property to change the border of an element to Yxy 82.8582, 0.2856, 0.3938 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(157, 255, 200) }
```

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

```
.border{ border-color:rgb(157, 255, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 255, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 255, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 255, 200);  
box-shadow:4px 4px 4px 4px rgb(157, 255,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8582, 0.2856, 0.3938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 255, 200) }
```

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

```
.background{ background-color: rgb(157,  
255, 200) }
```

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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