

Converting Colors

$Yxy(78.2861, 0.2970, 0.4165)$

Have a look what the booklet for
Yxy(78.2861, 0.2970, 0.4165)
contains.

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Color

Yxy(78.0938, 0.2971, 0.4164)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 9DF9B1 |
| RGB | 157, 249, 177 |
| RGB Percent | 62%, 98%, 69% |
| CMY | 0.3842, 0.0235, 0.3059 |
| CMYK | 0.37, 0.00, 0.29, 0.02 |
| HSL | 133°, 88%, 80% |
| HSV | 133°, 37%, 98% |
| XYZ | 55.7197, 78.0938, 53.7317 |
| YIQ | 213.2840, -31.7200, -41.8960 |

Conversions

Conversions Part 2

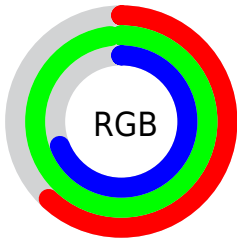
| Format | Color |
|-------------------------------------|--|
| RYB | 157, 233, 249 |
| Decimal | 10353073 |
| CIELab | 90.82, -41.98, 26.13 |
| CIElCh | 91, 49.445, 148.098 |
| Yxy | 78.0938, 0.2971, 0.4164 |
| Android (android.graphics.Color) | 4288543153 (0xFF9DF9B1) |
| YUV | 213.2840, -17.8880, -49.3611 |
| Hunter-Lab | 88.3707, -42.1006, 25.8096 |

Details

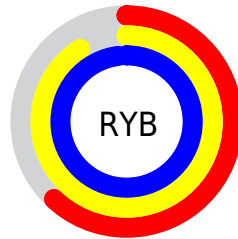
The Yxy color **78.0938, 0.2971, 0.4164** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **49.9212, 0.3338, 0.2553**, and the grayscale version is **66.8829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.6993, 0.3001, 0.3519**, and **41.9212, 0.2918, 0.4391** is the 20% darker color. If you saturate the color by 10%, you get **75.1194, 0.2937, 0.4453**, and if you desaturate by 10%, it is **81.6961, 0.3011, 0.3894**.

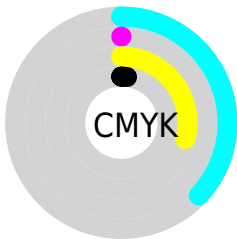
Distribution



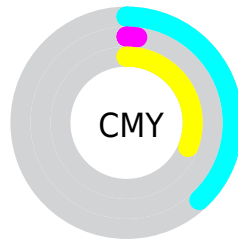
- Red (62%)
- Green (98%)
- Blue (69%)



- Red (62%)
- Yellow (91%)
- Blue (98%)



- Cyan (37%)
- Magenta (0%)
- Yellow (29%)
- Black (2%)





- Cyan (38%)
- Magenta (2%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.0938, 0.2971, 0.4164 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 78.0938, 0.2971, 0.4164 by changing the saturation by 10% instead.


 78.0938, 0.2971,
0.4164


 78.0938, 0.2971,
0.4164


488.4853, 0.3054,
0.3742

 58.1510, 0.2949,
0.4264


 130.6823, 0.3002,
0.4014

 41.9301, 0.2921,
0.4391


 164.0969, 0.3014,
0.3957

 29.0465, 0.2882,
0.4554


202.7709, 0.3023,
0.3908

 19.1160, 0.2827,
0.4771

247.0886, 0.3031,
0.3866

 11.7542, 0.2745,
0.5076

297.4345, 0.3038,
0.3829

 6.5765, 0.2610,
0.5528


354.1930, 0.3044,


 3.1987, 0.2376,


0.3796


0.6282


417.7485, 0.3050,
0.3768


 1.2363, 0.0845,
0.9155

 0.0911, 0.0000,
1.0000


 78.0938, 0.2971,
0.4164


 78.0938, 0.2971,
0.4164

 75.1194, 0.2937,
0.4453


 81.6961, 0.3011,
0.3894


 72.7272, 0.2912,
0.4753

 85.9495, 0.3053,
0.3647

 70.8809, 0.2898,
0.5048

 90.8878, 0.3097,
0.3427

 69.5358, 0.2897,
0.5324

 96.2300, 0.3130,
0.3233

■ 68.6399, 0.2910,
0.5562

■ 96.2319, 0.3130,
0.3233

■ 68.1279, 0.2935,
0.5748

■ 68.0190, 0.2943,
0.5795

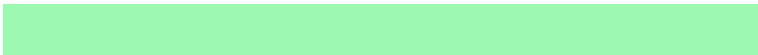
Harmonies

Analogous

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



78.0938, 0.3541, 0.4353



78.0938, 0.2971, 0.4164



78.0938, 0.2471, 0.3655

Triad

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



78.0938, 0.2971, 0.4164



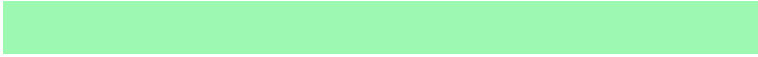
78.0938, 0.2259, 0.2403



78.0938, 0.4195, 0.3364

Complementary

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



78.0938, 0.2971, 0.4164



49.9212, 0.3338, 0.2553

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.



78.0938, 0.3786, 0.2934



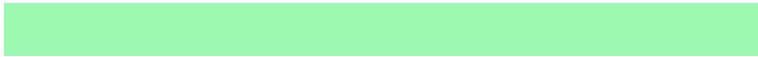
78.0938, 0.2971, 0.4164



78.0938, 0.2648, 0.2403

Square

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



78.0938, 0.2971, 0.4164



78.0938, 0.2092, 0.2622



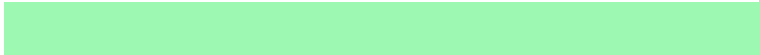
78.0938, 0.3202, 0.2593



78.0938, 0.4277, 0.3813

Rectangle

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



78.0938, 0.2971, 0.4164



78.0938, 0.2239, 0.3254



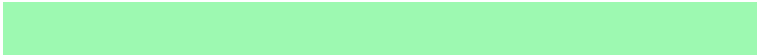
78.0938, 0.3202, 0.2593



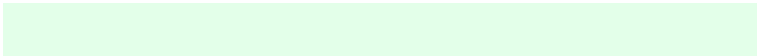
78.0938, 0.4090, 0.3215

Sweetspot

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



78.0971, 0.2971, 0.4164



93.7284, 0.3079, 0.3514



86.8572, 0.3544, 0.4257



19.9098, 0.3073, 0.3543



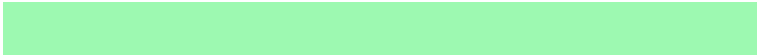
0.0000, 0.0000, 0.0000



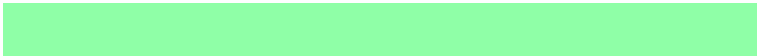
21.4041, 0.3127, 0.3290

Same Dimension

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



78.0971, 0.2971, 0.4164



80.1381, 0.2946, 0.4369



80.2472, 0.2735, 0.3592



19.3709, 0.3086, 0.3481



36.4262, 0.2937, 0.5772



3.3887, 0.2878, 0.5560

Inverse Universe

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



49.9212, 0.3338, 0.2553



46.5936, 0.3391, 0.2416



47.6852, 0.3771, 0.3013



17.4562, 0.3171, 0.3106



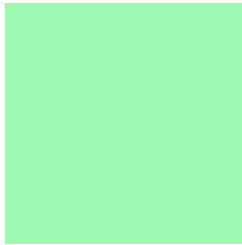
12.9096, 0.3849, 0.1894



1.2111, 0.3757, 0.1844

Previews

White Background



This preview shows how the Yxy color 78.0938, 0.2971, 0.4164 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 78.0938, 0.2971, 0.4164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

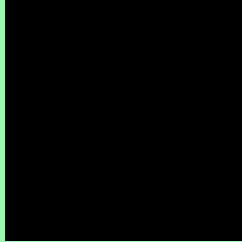
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.0938, 0.2971, 0.4164

Background



This preview shows how black text looks on a background with the Yxy color 78.0938, 0.2971, 0.4164.



This preview shows how white text looks on a background with the Yxy color 78.0938, 0.2971, 0.4164.

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

78.0938, 0.2971, 0.4164

Protanopia

76.9613, 0.3654, 0.3920

Deuteranopia

77.0041, 0.3543, 0.3536



Tritanopia

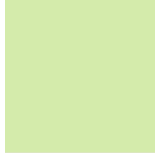
78.0724, 0.2680, 0.3103

Trichromacy



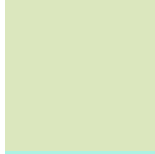
Original Color

78.0938, 0.2971, 0.4164



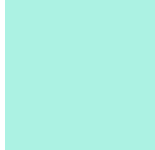
Protanomaly

76.3540, 0.3372, 0.4009



Deuteranomaly

75.9296, 0.3307, 0.3743



Tritanomaly

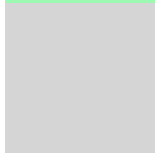
77.8210, 0.2786, 0.3461

Monochromacy



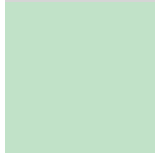
Original Color

78.0938, 0.2971, 0.4164



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

69.9003, 0.3065, 0.3594

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.0938, 0.2971, 0.4164 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, 249, 177)` looks like.

```
.text, #text, p{  
    color:rgb(157, 249, 177)  
}
```

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, 249, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 249, 177) }
```

Border

The CSS property to change the border of an element to Yxy 78.0938, 0.2971, 0.4164 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, 249, 177) }
```

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

```
.border{ border-color:rgb(157, 249, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 249, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 249, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 249, 177);  
box-shadow:4px 4px 4px 4px rgb(157, 249,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 78.0938, 0.2971, 0.4164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 249, 177) }
```

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

```
.background{ background-color: rgb(157,  
249, 177) }
```

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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