

# Converting Colors

$Yxy(78.5028, 0.2819, 0.3811)$

Have a look what the booklet for  
Yxy(78.5028, 0.2819, 0.3811)  
contains.

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# Color

**Yxy(78.4630, 0.2819, 0.3815)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BF8CC
RGB	155, 248, 204
RGB Percent	61%, 97%, 80%
CMY	0.3924, 0.0274, 0.1999
CMYK	0.38, 0.00, 0.18, 0.03
HSL	152°, 87%, 79%
HSV	152°, 38%, 97%
XYZ	57.9783, 78.4630, 69.2284
YIQ	215.1770, -41.3040, -33.4000

# Conversions

## Conversions Part 2

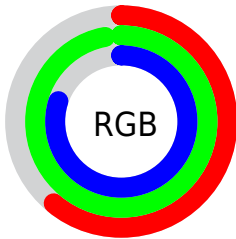
Format	Color
<a href="#">RYB</a>	<a href="#">155, 216, 248</a>
Decimal	<a href="#">10221772</a>
CIELab	<a href="#">90.99, -37.12, 12.49</a>
CIELCh	<a href="#">91, 39.166, 161.405</a>
Yxy	<a href="#">78.4630, 0.2819, 0.3815</a>
Android (android.graphics.Color)	<a href="#">4288411852 (0xFF9BF8CC)</a>
YUV	<a href="#">215.1770, -5.5103, -52.7752</a>
Hunter-Lab	<a href="#">88.5793, -38.1793, 15.6679</a>

# Details

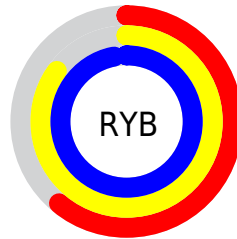
The Yxy color **78.4630, 0.2819, 0.3815** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.5048, 0.3611, 0.2824**, and the grayscale version is **68.1352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **42.1163, 0.2741, 0.3942** is the 20% darker color. If you saturate the color by 10%, you get **75.7186, 0.2756, 0.3986**, and if you desaturate by 10%, it is **81.7600, 0.2893, 0.3656**.

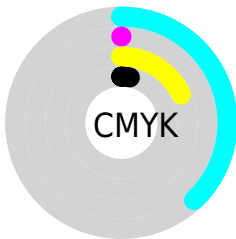
# Distribution



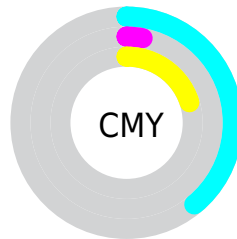
- Red (61%)
- Green (97%)
- Blue (80%)



- Red (61%)
- Yellow (85%)
- Blue (97%)



- Cyan (38%)
- Magenta (0%)
- Yellow (18%)
- Black (3%)




- Cyan (39%)
- Magenta (3%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.4630, 0.2819, 0.3815 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 78.4630, 0.2819, 0.3815 by changing the saturation by 10% instead.





 78.4630, 0.2819,  
0.3815


 78.4630, 0.2819,  
0.3815

489.7378, 0.2964,  
0.3566

 58.4544, 0.2785,  
0.3873


 131.2026, 0.2870,  
0.3727

 42.1741, 0.2743,  
0.3946

 164.7024, 0.2889,  
0.3694

 29.2376, 0.2690,  
0.4040


203.4680, 0.2906,  
0.3665

 19.2606, 0.2619,  
0.4164

247.8839, 0.2921,  
0.3640

 11.8588, 0.2522,  
0.4337

298.3344, 0.2934,  
0.3618

 6.6476, 0.2379,  
0.4594

355.2040, 0.2945,

 3.2427, 0.2151,

0.3599

418.8770, 0.2955,  
0.3581

0.5011

1.2597, 0.1276,  
0.6422

0.1097, 0.0000,  
1.0000

78.4630, 0.2819,  
0.3815

78.4630, 0.2819,  
0.3815

75.7186, 0.2756,  
0.3986

81.7600, 0.2893,  
0.3656

73.4851, 0.2706,  
0.4166

85.6294, 0.2975,  
0.3511

71.7304, 0.2675,  
0.4353

90.1014, 0.3061,  
0.3380

70.4142, 0.2662,  
0.4541

95.2015, 0.3149,  
0.3262

■ 69.4894, 0.2671,  
0.4725

■ 95.6220, 0.3130,  
0.3223

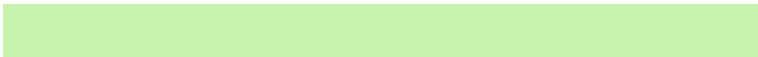
■ 68.8941, 0.2698,  
0.4901

■ 68.7748, 0.2707,  
0.4944

# Harmonies

## Analogous

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



78.4630, 0.3267, 0.4088



78.4630, 0.2819, 0.3815



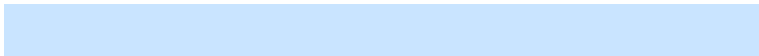
78.4630, 0.2471, 0.3374

# Triad

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



78.4630, 0.2819, 0.3815



78.4630, 0.2549, 0.2552



78.4630, 0.4034, 0.3527

# Complementary

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



78.4630, 0.2819, 0.3815



47.5048, 0.3611, 0.2824

# 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.



78.4630, 0.3817, 0.3159



78.4630, 0.2819, 0.3815



78.4630, 0.2934, 0.2620

# Square

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



78.4630, 0.2819, 0.3815



78.4630, 0.2326, 0.2658



78.4630, 0.3402, 0.2837

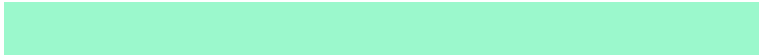


78.4630, 0.3984, 0.3869



# Rectangle

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



78.4630, 0.2819, 0.3815



78.4630, 0.2333, 0.3077



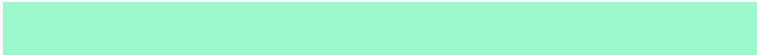
78.4630, 0.3402, 0.2837



78.4630, 0.3990, 0.3403

# Sweetspot

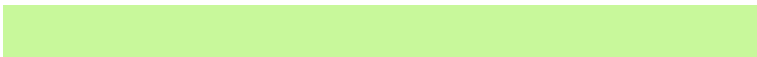
The Sweet Spot groups the original color and five complimentary colors.



78.4662, 0.2819, 0.3815



94.2380, 0.3030, 0.3424



81.7765, 0.3357, 0.4338



20.0308, 0.3019, 0.3441



0.0000, 0.0000, 0.0000

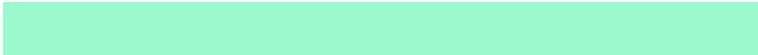


21.4041, 0.3127, 0.3290

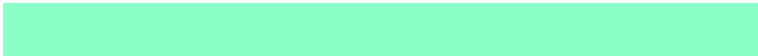


# Same Dimension

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



78.4662, 0.2819, 0.3815



81.3229, 0.2770, 0.3943



79.9337, 0.2600, 0.3271



19.4622, 0.3044, 0.3404



37.1768, 0.2699, 0.4916



3.4646, 0.2641, 0.4707



# Inverse Universe

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



47.5048, 0.3611, 0.2824



44.0064, 0.3752, 0.2732



46.2684, 0.4049, 0.3310



17.3618, 0.3219, 0.3178



11.5051, 0.5078, 0.2571

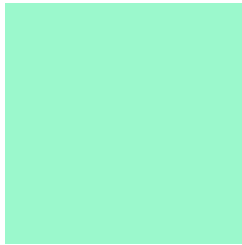


1.0868, 0.4797, 0.2416



# Previews

## White Background



This preview shows how the Yxy color 78.4630, 0.2819, 0.3815 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

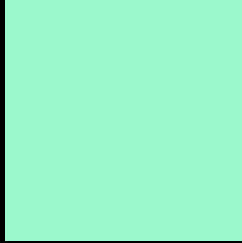
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.4630, 0.2819, 0.3815 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 78.4630, 0.2819, 0.3815**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.4630, 0.2819, 0.3815.

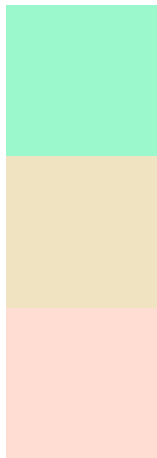


This preview shows how white text looks on a background with the Yxy color 78.4630, 0.2819, 0.3815.

# 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

78.4630, 0.2819, 0.3815

### Protanopia

77.3585, 0.3440, 0.3638

### Deuteranopia

77.6761, 0.3443, 0.3392



## Tritanopia

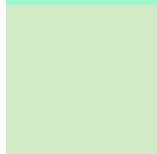
77.9528, 0.2675, 0.3102

# Trichromacy



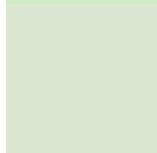
## Original Color

78.4630, 0.2819, 0.3815



## Protanomaly

77.0492, 0.3182, 0.3703



## Deuteranomaly

76.7660, 0.3191, 0.3541



## Tritanomaly

78.1064, 0.2728, 0.3357

# Monochromacy



## Original Color

78.4630, 0.2819, 0.3815



## Achromatopsia

67.9542, 0.3127, 0.3290



## Achromatomaly

70.9788, 0.2997, 0.3474

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.4630, 0.2819, 0.3815 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(155, 248, 204)` looks like.

```
.text, #text, p{  
    color:rgb(155, 248, 204)  
}
```

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(155, 248, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 248, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 78.4630, 0.2819, 0.3815 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(155, 248, 204) }
```

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

```
.border{ border-color:rgb(155, 248, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 248, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 248, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 248, 204);  
box-shadow:4px 4px 4px 4px rgb(155, 248,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.4630, 0.2819, 0.3815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 248, 204) }
```

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

```
.background{ background-color: rgb(155,  
248, 204) }
```

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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