

# Converting Colors

$Yxy(78.5450, 0.2774, 0.3801)$

Have a look what the booklet for  
Yxy(78.5450, 0.2774, 0.3801)  
contains.

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# Color

**Yxy(78.5035, 0.2775, 0.3806)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94F9CE
RGB	148, 249, 206
RGB Percent	58%, 98%, 81%
CMY	0.4193, 0.0236, 0.1922
CMYK	0.41, 0.00, 0.17, 0.02
HSL	154°, 89%, 78%
HSV	154°, 41%, 98%
XYZ	57.2378, 78.5035, 70.5211
YIQ	213.8990, -46.3930, -34.7850

# Conversions

## Conversions Part 2

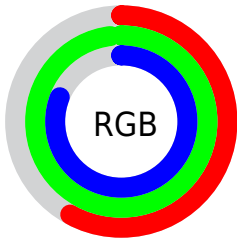
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">148, 212, 249</a>
Decimal	<a href="#">9763278</a>
CIELab	<a href="#">91.01, -39.01, 11.46</a>
CIELCh	<a href="#">91, 40.662, 163.634</a>
Yxy	<a href="#">78.5035, 0.2775, 0.3806</a>
Android (android.graphics.Color)	<a href="#">4287953358 (0xFF94F9CE)</a>
YUV	<a href="#">213.8990, -3.8942, -57.7934</a>
Hunter-Lab	<a href="#">88.6022, -39.7412, 14.8309</a>

# Details

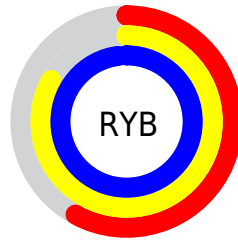
The Yxy color **78.5035, 0.2775, 0.3806** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **45.1077, 0.3713, 0.2835**, and the grayscale version is **67.2363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8618, 0.2838, 0.3289**, and **42.1904, 0.2686, 0.3930** is the 20% darker color. If you saturate the color by 10%, you get **75.9293, 0.2711, 0.3962**, and if you desaturate by 10%, it is **81.6184, 0.2851, 0.3661**.

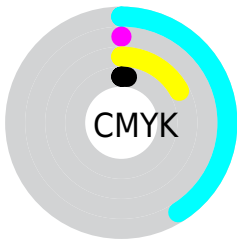
# Distribution



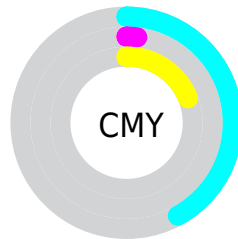
- Red (58%)
- Green (98%)
- Blue (81%)



- Red (58%)
- Yellow (83%)
- Blue (98%)



- Cyan (41%)
- Magenta (0%)
- Yellow (17%)
- Black (2%)




- Cyan (42%)
- Magenta (2%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.5035, 0.2775, 0.3806 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 78.5035, 0.2775, 0.3806 by changing the saturation by 10% instead.



 78.5035, 0.2775,  
0.3806


 78.5035, 0.2775,  
0.3806


489.8751, 0.2940,  
0.3562

 58.4877, 0.2737,  
0.3863


 131.2597, 0.2832,  
0.3720

 42.2008, 0.2690,  
0.3935


 164.7688, 0.2855,  
0.3687

 29.2586, 0.2630,  
0.4026


203.5445, 0.2874,  
0.3659

 19.2765, 0.2551,  
0.4148

247.9711, 0.2890,  
0.3634

 11.8703, 0.2443,  
0.4317

298.4331, 0.2905,  
0.3613

 6.6554, 0.2285,  
0.4567

355.3148, 0.2918,

 3.2475, 0.2037,

0.3594

0.4972

419.0007, 0.2929,  
0.3577

■ 1.2623, 0.1033,  
0.6329

■ 0.1117, 0.0000,  
1.0000

■ 78.5035, 0.2775,  
0.3806

■ 78.5035, 0.2775,  
0.3806

■ 75.9293, 0.2711,  
0.3962

■ 81.6184, 0.2851,  
0.3661

■ 73.8531, 0.2663,  
0.4125

■ 85.2945, 0.2937,  
0.3527

■ 72.2414, 0.2633,  
0.4293

■ 89.5627, 0.3028,  
0.3405

■ 71.0520, 0.2623,  
0.4462

■ 94.4490, 0.3122,  
0.3295

■ 70.2348, 0.2634,  
0.4627

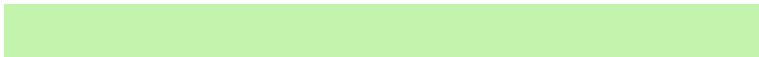
■ 96.2279, 0.3130,  
0.3233

■ 69.7277, 0.2661,  
0.4779

# Harmonies

## Analogous

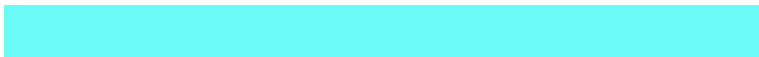
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.5035, 0.3235, 0.4109



78.5035, 0.2775, 0.3806



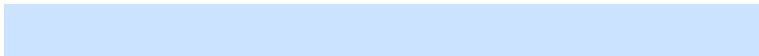
78.5035, 0.2427, 0.3340

# Triad

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



78.5035, 0.2775, 0.3806



78.5035, 0.2553, 0.2525



78.5035, 0.4075, 0.3561

# Complementary

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



78.5035, 0.2775, 0.3806



45.1077, 0.3713, 0.2835

# 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.



78.5035, 0.3868, 0.3181



78.5035, 0.2775, 0.3806



78.5035, 0.2961, 0.2610

# Square

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



78.5035, 0.2775, 0.3806



78.5035, 0.2309, 0.2620



78.5035, 0.3448, 0.2843

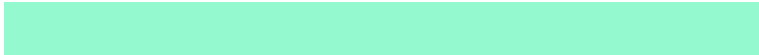


78.5035, 0.4001, 0.3911



# Rectangle

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



78.5035, 0.2775, 0.3806



78.5035, 0.2295, 0.3035



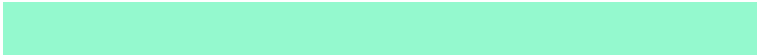
78.5035, 0.3448, 0.2843



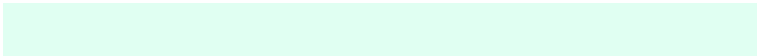
78.5035, 0.4036, 0.3434

# Sweetspot

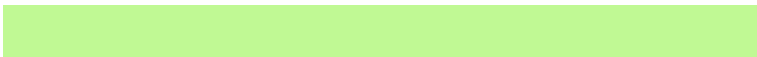
The Sweet Spot groups the original color and five complimentary colors.



78.5067, 0.2775, 0.3806



93.8397, 0.3014, 0.3422



81.0698, 0.3338, 0.4443



19.9543, 0.3002, 0.3438



0.0000, 0.0000, 0.0000

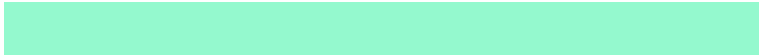


21.4041, 0.3127, 0.3290



# Same Dimension

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



78.5067, 0.2775, 0.3806



80.5225, 0.2720, 0.3938



76.8053, 0.2557, 0.3211



19.4762, 0.3037, 0.3393



37.3551, 0.2654, 0.4753



3.4809, 0.2600, 0.4561



# Inverse Universe

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



45.1077, 0.3713, 0.2835



40.6698, 0.3900, 0.2743



45.6570, 0.4136, 0.3365



17.3480, 0.3227, 0.3189



11.3658, 0.5274, 0.2679

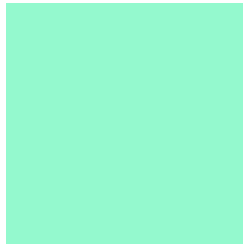


1.0734, 0.4969, 0.2511



# Previews

## White Background



This preview shows how the Yxy color 78.5035, 0.2775, 0.3806 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

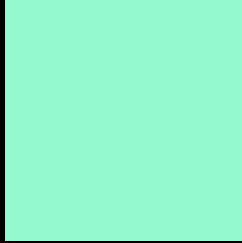
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.5035, 0.2775, 0.3806 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 78.5035, 0.2775, 0.3806**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.5035, 0.2775, 0.3806.

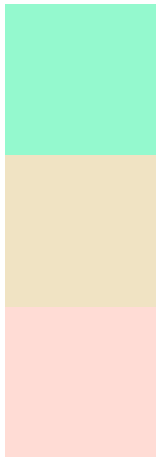


This preview shows how white text looks on a background with the Yxy color 78.5035, 0.2775, 0.3806.

# 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

78.5035, 0.2775, 0.3806

### Protanopia

77.4036, 0.3433, 0.3628

### Deuteranopia

77.2505, 0.3431, 0.3362



## Tritanopia

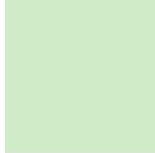
78.1831, 0.2660, 0.3113

# Trichromacy



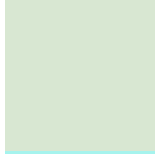
## Original Color

78.5035, 0.2775, 0.3806



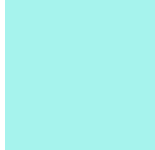
## Protanomaly

76.8056, 0.3162, 0.3694



## Deuteranomaly

76.4039, 0.3157, 0.3520



## Tritanomaly

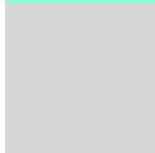
78.3226, 0.2703, 0.3357

# Monochromacy



## Original Color

78.5035, 0.2775, 0.3806



## Achromatopsia

67.2443, 0.3127, 0.3290



## Achromatomaly

70.5885, 0.2977, 0.3475

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.5035, 0.2775, 0.3806 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(148, 249, 206)` looks like.

```
.text, #text, p{  
    color:rgb(148, 249, 206)  
}
```

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(148, 249, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 249, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 78.5035, 0.2775, 0.3806 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(148, 249, 206) }
```

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

```
.border{ border-color:rgb(148, 249, 206) }
```

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

Here you see how a box with a 4 pixel rgb(148, 249, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 249, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 249, 206);  
box-shadow:4px 4px 4px 4px rgb(148, 249,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.5035, 0.2775, 0.3806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 249, 206) }
```

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

```
.background{ background-color: rgb(148,  
249, 206) }
```

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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