

# Converting Colors

$Yxy(78.3695, 0.2858, 0.4199)$

Have a look what the booklet for  
Yxy(78.3695, 0.2858, 0.4199)  
contains.

<b>Yxy(78.1938, 0.2858, 0.4195)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(78.1938, 0.2858, 0.4195)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89FCB3
RGB	137, 252, 179
RGB Percent	54%, 99%, 70%
CMY	0.4624, 0.0118, 0.2980
CMYK	0.46, 0.00, 0.29, 0.01
HSL	142°, 95%, 76%
HSV	142°, 46%, 99%
XYZ	53.2724, 78.1938, 54.9314
YIQ	209.2930, -45.1070, -47.0830

# Conversions

## Conversions Part 2

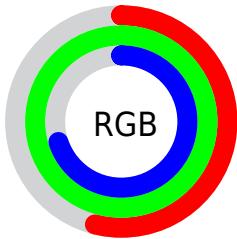
Format	Color
<a href="#">RYB</a>	<a href="#">137, 221, 252</a>
Decimal	<a href="#">9043123</a>
CIELab	<a href="#">90.87, -48.39, 25.04</a>
CIElCh	<a href="#">91, 54.487, 152.640</a>
Yxy	<a href="#">78.1938, 0.2858, 0.4195</a>
Android (android.graphics.Color)	<a href="#">4287233203 (0xFF89FCB3)</a>
YUV	<a href="#">209.2930, -14.9344, -63.4010</a>
Hunter-Lab	<a href="#">88.4273, -47.2115, 25.0679</a>

# Details

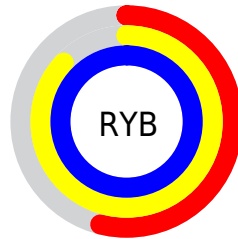
The Yxy color **78.1938, 0.2858, 0.4195** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **43.2644, 0.3569, 0.2542**, and the grayscale version is **64.0963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1203, 0.2881, 0.3504**, and **42.1563, 0.2780, 0.4435** is the 20% darker color. If you saturate the color by 10%, you get **75.6983, 0.2820, 0.4440**, and if you desaturate by 10%, it is **81.2683, 0.2907, 0.3963**.

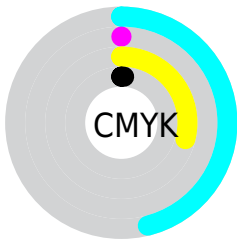
# Distribution



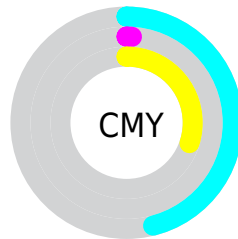
- Red (54%)
- Green (99%)
- Blue (70%)



- Red (54%)
- Yellow (87%)
- Blue (99%)



- Cyan (46%)
- Magenta (0%)
- Yellow (29%)
- Black (1%)




- Cyan (46%)
- Magenta (1%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.1938, 0.2858, 0.4195 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 78.1938, 0.2858, 0.4195 by changing the saturation by 10% instead.




 78.1938, 0.2858,  
0.4195


 78.1938, 0.2858,  
0.4195


488.8247, 0.2994,  
0.3756

 58.2332, 0.2824,  
0.4300


 130.8233, 0.2907,  
0.4039

 41.9962, 0.2781,  
0.4432


 164.2609, 0.2926,  
0.3979

 29.0983, 0.2724,  
0.4602


202.9598, 0.2941,  
0.3929

 19.1552, 0.2646,  
0.4831

247.3041, 0.2955,  
0.3885

 11.7825, 0.2532,  
0.5152

297.6784, 0.2967,  
0.3846

 6.5957, 0.2354,  
0.5631


354.4670, 0.2977,


 3.2106, 0.2052,


0.3813


0.6419


418.0543, 0.2986,  
0.3783


 1.2426, 0.0000,  
1.0000

 0.0961, 0.0000,  
1.0000


 78.1938, 0.2858,  
0.4195


 78.1938, 0.2858,  
0.4195


 75.6983, 0.2820,  
0.4440


 81.2683, 0.2907,  
0.3963


 73.7344, 0.2797,  
0.4690

 84.9462, 0.2964,  
0.3748

 72.2630, 0.2791,  
0.4937

 89.2622, 0.3026,  
0.3554

 71.2348, 0.2804,  
0.5169

 94.2456, 0.3091,  
0.3379

■ 70.5894, 0.2834,  
0.5378

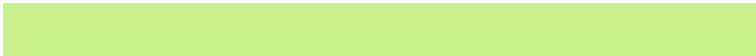
■ 98.0975, 0.3128,  
0.3261

■ 70.3890, 0.2850,  
0.5461

# Harmonies

## Analogous

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



78.1938, 0.3480, 0.4462



78.1938, 0.2858, 0.4195



78.1938, 0.2340, 0.3590

# Triad

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



78.1938, 0.2858, 0.4195



78.1938, 0.2230, 0.2308



78.1938, 0.4342, 0.3436

# Complementary

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



78.1938, 0.2858, 0.4195



43.2644, 0.3569, 0.2542

# 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.



78.1938, 0.3939, 0.2964



78.1938, 0.2858, 0.4195



78.1938, 0.2682, 0.2344

# Square

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



78.1938, 0.2858, 0.4195



78.1938, 0.2012, 0.2503



78.1938, 0.3307, 0.2578



78.1938, 0.4368, 0.3921



# Rectangle

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



78.1938, 0.2858, 0.4195



78.1938, 0.2115, 0.3148



78.1938, 0.3307, 0.2578



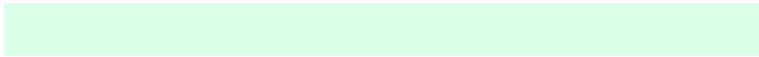
78.1938, 0.4246, 0.3274

# Sweetspot

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



78.1970, 0.2858, 0.4195



92.4712, 0.3037, 0.3524



85.3893, 0.3524, 0.4530



19.5705, 0.3023, 0.3564



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.



78.1970, 0.2858, 0.4195



77.8979, 0.2822, 0.4425



80.9265, 0.2592, 0.3490



19.4139, 0.3066, 0.3444



36.6939, 0.2842, 0.5430



3.4181, 0.2775, 0.5191



# Inverse Universe

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



43.2644, 0.3569, 0.2542



37.8163, 0.3701, 0.2404



40.9512, 0.4175, 0.3111



17.4108, 0.3194, 0.3140



12.1332, 0.4400, 0.2197

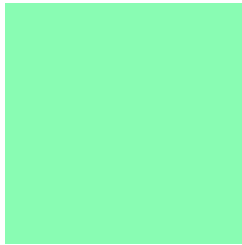


1.1441, 0.4219, 0.2098



# Previews

## White Background



This preview shows how the Yxy color 78.1938, 0.2858, 0.4195 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 78.1938, 0.2858, 0.4195 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 78.1938, 0.2858, 0.4195**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.1938, 0.2858, 0.4195.



This preview shows how white text looks on a background with the Yxy color 78.1938, 0.2858, 0.4195.

# 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

78.1938, 0.2858, 0.4195

### Protanopia

76.9984, 0.3648, 0.3909

### Deuteranopia

77.0501, 0.3536, 0.3525



## Tritanopia

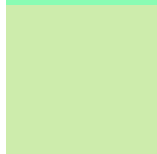
77.8372, 0.2645, 0.3112

# Trichromacy



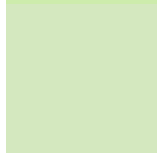
## Original Color

78.1938, 0.2858, 0.4195



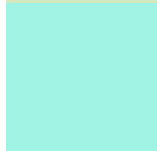
## Protanomaly

75.9486, 0.3314, 0.4019



## Deuteranomaly

75.4719, 0.3250, 0.3749



## Tritanomaly

77.7210, 0.2724, 0.3487

# Monochromacy



## Original Color

78.1938, 0.2858, 0.4195



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

67.9949, 0.3010, 0.3613

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.1938, 0.2858, 0.4195 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(137, 252, 179)` looks like.

```
.text, #text, p{  
    color:rgb(137, 252, 179)  
}
```

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(137, 252, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 252, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 78.1938, 0.2858, 0.4195 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(137, 252, 179) }
```

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

```
.border{ border-color:rgb(137, 252, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 252, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 252, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 252, 179); box-shadow:4px 4px 4px 4px rgb(137, 252, 179) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.1938, 0.2858, 0.4195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 252, 179) }
```

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

```
.background{ background-color: rgb(137,  
252, 179) }
```

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