

# Converting Colors

$Yxy(73.7448, 0.2845, 0.3895)$

Have a look what the booklet for  
Yxy(73.7448, 0.2845, 0.3895)  
contains.

<b>Yxy(73.8385, 0.2845, 0.3893)</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(73.8385, 0.2845, 0.3893)**

# Conversions

## Conversions Part 1

Format	Color
Hex	96F2C1
RGB	150, 242, 193
RGB Percent	59%, 95%, 76%
CMY	0.4116, 0.0510, 0.2431
CMYK	0.38, 0.00, 0.20, 0.05
HSL	148°, 78%, 77%
HSV	148°, 38%, 95%
XYZ	53.9611, 73.8385, 61.8703
YIQ	208.9060, -39.1030, -34.7430

# Conversions

## Conversions Part 2

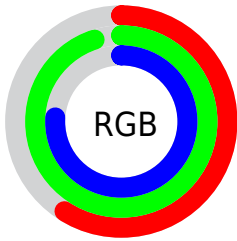
<b>Format</b>	<b>Color</b>
<b>RYB</b>	150, 213, 242
Decimal	9892545
CIELab	88.85, -37.91, 15.11
CIELCh	89, 40.809, 158.262
Yxy	73.8385, 0.2845, 0.3893
Android (android.graphics.Color)	4288082625 (0xFF96F2C1)
YUV	208.9060, -7.8417, -51.6606
Hunter-Lab	85.9293, -38.2836, 17.4609

# Details

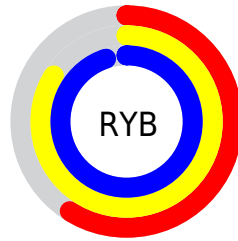
The Yxy color **73.8385, 0.2845, 0.3893** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **44.8241, 0.3564, 0.2762**, and the grayscale version is **63.7740, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.6875, 0.2870, 0.3341**, and **38.9949, 0.2776, 0.4051** is the 20% darker color. If you saturate the color by 10%, you get **71.2268, 0.2788, 0.4088**, and if you desaturate by 10%, it is **76.9804, 0.2912, 0.3712**.

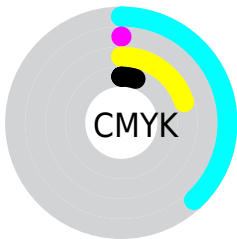
# Distribution



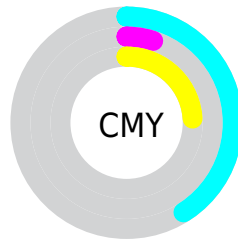
- Red (59%)
- Green (95%)
- Blue (76%)



- Red (59%)
- Yellow (84%)
- Blue (95%)



- Cyan (38%)
- Magenta (0%)
- Yellow (20%)
- Black (5%)




- Cyan (41%)
- Magenta (5%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.8385, 0.2845, 0.3893 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 73.8385, 0.2845, 0.3893 by changing the saturation by 10% instead.





 73.8385, 0.2845,  
0.3893

 73.8385, 0.2845,  
0.3893


473.9158, 0.2981,  
0.3602

 54.6619, 0.2813,  
0.3962


 124.6668, 0.2893,  
0.3790

 39.1311, 0.2772,  
0.4049


 157.0873, 0.2912,  
0.3750

 26.8617, 0.2719,  
0.4162


194.6913, 0.2927,  
0.3717

 17.4694, 0.2648,  
0.4314

237.8630, 0.2941,  
0.3688

 10.5697, 0.2548,  
0.4528

286.9869, 0.2953,  
0.3662

 5.7783, 0.2396,  
0.4853

342.4474, 0.2963,

 2.7107, 0.2143,

0.3640

404.6289, 0.2973,  
0.3620

0.5395

0.9827, 0.0055,  
0.9849

0.0000, 0.0000,  
0.0000

73.8385, 0.2845,  
0.3893

73.8385, 0.2845,  
0.3893

71.2268, 0.2788,  
0.4088

76.9804, 0.2912,  
0.3712

69.1057, 0.2745,  
0.4293

80.6716, 0.2986,  
0.3547

67.4441, 0.2718,  
0.4504

84.9412, 0.3064,  
0.3398

66.2035, 0.2711,  
0.4714

89.8134, 0.3143,  
0.3265

■ 65.3388, 0.2724,  
0.4918

■ 91.9833, 0.3133,  
0.3165

■ 64.7882, 0.2755,  
0.5108

■ 64.6982, 0.2763,  
0.5145

# Harmonies

## Analogous

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



73.8385, 0.3324, 0.4156



73.8385, 0.2845, 0.3893



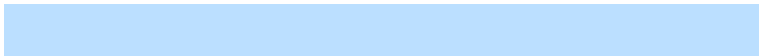
73.8385, 0.2461, 0.3429

# Triad

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



73.8385, 0.2845, 0.3893



73.8385, 0.2481, 0.2511



73.8385, 0.4081, 0.3496

# Complementary

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



73.8385, 0.2845, 0.3893



44.8241, 0.3564, 0.2762

# 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.



73.8385, 0.3822, 0.3110



73.8385, 0.2845, 0.3893



73.8385, 0.2873, 0.2567

# Square

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



73.8385, 0.2845, 0.3893



73.8385, 0.2267, 0.2641



73.8385, 0.3366, 0.2781



73.8385, 0.4056, 0.3866



# Rectangle

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



73.8385, 0.2845, 0.3893



73.8385, 0.2304, 0.3108



73.8385, 0.3366, 0.2781



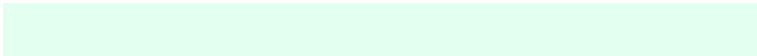
73.8385, 0.4024, 0.3365

# Sweetspot

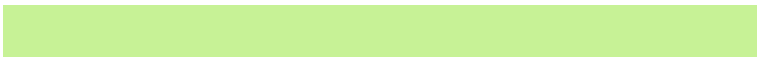
The Sweet Spot groups the original color and five complimentary colors.



73.8415, 0.2845, 0.3893



94.1377, 0.3040, 0.3441



77.8596, 0.3391, 0.4340



20.0069, 0.3029, 0.3461



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

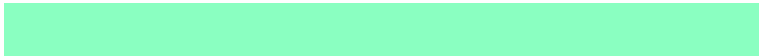


# Same Dimension

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



73.8415, 0.2845, 0.3893



80.7270, 0.2798, 0.4050



76.2184, 0.2613, 0.3324



17.7794, 0.3052, 0.3419



34.7840, 0.2754, 0.5115



2.9136, 0.2685, 0.4864



# Inverse Universe

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



44.8241, 0.3564, 0.2762



43.5291, 0.3698, 0.2651



43.0032, 0.4038, 0.3259



15.8996, 0.3210, 0.3165



11.0187, 0.4820, 0.2429

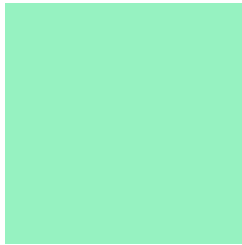


0.9368, 0.4550, 0.2280



# Previews

## White Background



This preview shows how the Yxy color 73.8385, 0.2845, 0.3893 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 73.8385, 0.2845, 0.3893 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

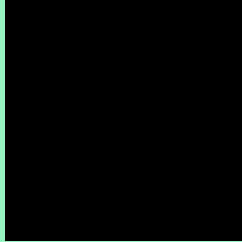
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.8385, 0.2845, 0.3893**

## Background



This preview shows how black text looks on a background with the Yxy color 73.8385, 0.2845, 0.3893.

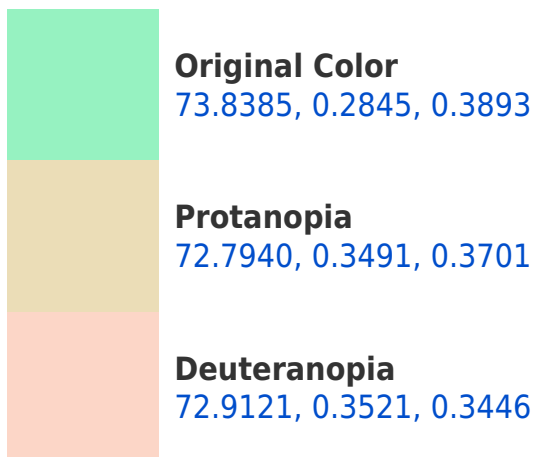


This preview shows how white text looks on a background with the Yxy color 73.8385, 0.2845, 0.3893.

# 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

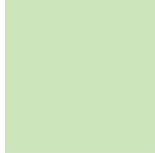
73.7240, 0.2596, 0.3074

# Trichromacy



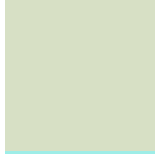
## Original Color

73.8385, 0.2845, 0.3893



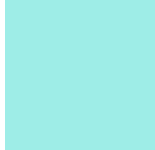
## Protanomaly

72.4638, 0.3222, 0.3772



## Deuteranomaly

71.7896, 0.3241, 0.3593



## Tritanomaly

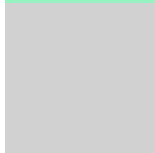
73.6070, 0.2684, 0.3359

# Monochromacy



## Original Color

73.8385, 0.2845, 0.3893



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

66.7161, 0.3013, 0.3503

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.8385, 0.2845, 0.3893 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(150, 242, 193)` looks like.

```
.text, #text, p{  
    color:rgb(150, 242, 193)  
}
```

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(150, 242, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 242, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 73.8385, 0.2845, 0.3893 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(150, 242, 193) }
```

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

```
.border{ border-color:rgb(150, 242, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 242, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 242, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 242, 193);  
box-shadow:4px 4px 4px 4px rgb(150, 242,  
193) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.8385, 0.2845, 0.3893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 242, 193) }
```

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

```
.background{ background-color: rgb(150,  
242, 193) }
```

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