

# Converting Colors

$Yxy(73.0104, 0.2899, 0.3832)$

Have a look what the booklet for  
Yxy(73.0104, 0.2899, 0.3832)  
contains.

<b>Yxy(73.2051, 0.2899, 0.3838)</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(73.2051, 0.2899, 0.3838)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1EFC2
RGB	161, 239, 194
RGB Percent	63%, 94%, 76%
CMY	0.3687, 0.0627, 0.2393
CMYK	0.33, 0.00, 0.19, 0.06
HSL	145°, 71%, 78%
HSV	145°, 33%, 94%
XYZ	55.2948, 73.2051, 62.2377
YIQ	210.5480, -32.0430, -30.5310

# Conversions

## Conversions Part 2

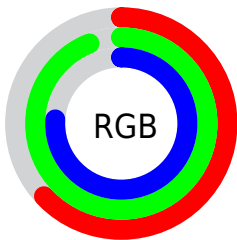
<b>Format</b>	<b>Color</b>
<b>RYB</b>	161, 216, 239
Decimal	10612674
CIELab	88.55, -33.23, 14.27
CIElCh	89, 36.161, 156.760
Yxy	73.2051, 0.2899, 0.3838
Android (android.graphics.Color)	4288802754 (0xFFA1EFC2)
YUV	210.5480, -8.1582, -43.4536
Hunter-Lab	85.5600, -34.3708, 16.7635

# Details

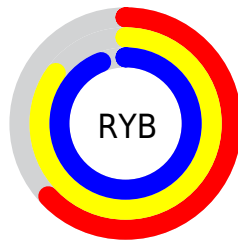
The Yxy color **73.2051, 0.2899, 0.3838** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.2892, 0.3451, 0.2802**, and the grayscale version is **64.8946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3905, 0.2927, 0.3330**, and **38.8862, 0.2845, 0.3989** is the 20% darker color. If you saturate the color by 10%, you get **70.3671, 0.2841, 0.4042**, and if you desaturate by 10%, it is **76.5812, 0.2965, 0.3650**.

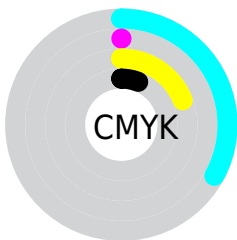
# Distribution



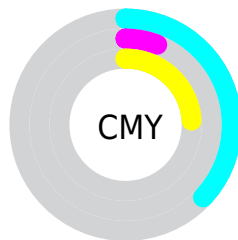
- Red (63%)
- Green (94%)
- Blue (76%)



- Red (63%)
- Yellow (85%)
- Blue (94%)



- Cyan (33%)
- Magenta (0%)
- Yellow (19%)
- Black (6%)




- Cyan (37%)
- Magenta (6%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.2051, 0.2899, 0.3838 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 73.2051, 0.2899, 0.3838 by changing the saturation by 10% instead.





 73.2051, 0.2899,  
0.3838

 73.2051, 0.2899,  
0.3838


471.7253, 0.3009,  
0.3574

 54.1437, 0.2873,  
0.3901


 123.7683, 0.2938,  
0.3745

 38.7165, 0.2839,  
0.3980

 156.0389, 0.2953,  
0.3709

 26.5393, 0.2796,  
0.4082


193.4814, 0.2966,  
0.3678

 17.2275, 0.2738,  
0.4219

236.4801, 0.2977,  
0.3652

 10.3968, 0.2655,  
0.4412

285.4195, 0.2987,  
0.3629

 5.6629, 0.2529,  
0.4705


340.6839, 0.2995,


 2.6412, 0.2316,


0.3609


402.6577, 0.3003,  
0.3591


0.5196


 0.9474, 0.0824,  
0.8871


 0.0000, 0.0000,  
0.0000


 73.2051, 0.2899,  
0.3838


 73.2051, 0.2899,  
0.3838


 70.3671, 0.2841,  
0.4042


 76.5812, 0.2965,  
0.3650


 68.0295, 0.2794,  
0.4260

 80.5129, 0.3035,  
0.3480

 66.1638, 0.2762,  
0.4486

 85.0279, 0.3108,  
0.3327

 64.7348, 0.2747,  
0.4714

 89.8491, 0.3170,  
0.3192

■ 63.7020, 0.2752,  
0.4937

■ 90.2202, 0.3134,  
0.3136

■ 63.0170, 0.2775,  
0.5145

■ 62.6813, 0.2802,  
0.5286

# Harmonies

## Analogous

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



73.2051, 0.3328, 0.4059



73.2051, 0.2899, 0.3838



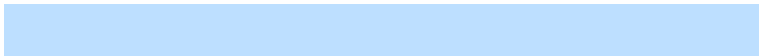
73.2051, 0.2547, 0.3438

# Triad

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



73.2051, 0.2899, 0.3838



73.2051, 0.2536, 0.2594



73.2051, 0.3968, 0.3463

# Complementary

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



73.2051, 0.2899, 0.3838



48.2892, 0.3451, 0.2802

# 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.



73.2051, 0.3727, 0.3115



73.2051, 0.2899, 0.3838



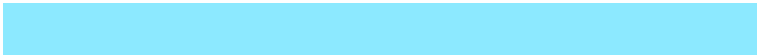
73.2051, 0.2882, 0.2634

# Square

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



73.2051, 0.2899, 0.3838



73.2051, 0.2350, 0.2723



73.2051, 0.3319, 0.2821



73.2051, 0.3961, 0.3796



# Rectangle

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



73.2051, 0.2899, 0.3838



73.2051, 0.2398, 0.3153



73.2051, 0.3319, 0.2821



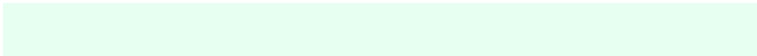
73.2051, 0.3913, 0.3345

# Sweetspot

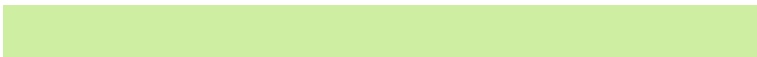
The Sweet Spot groups the original color and five complimentary colors.



73.2081, 0.2899, 0.3838



94.5685, 0.3054, 0.3438



77.5052, 0.3386, 0.4173



20.0901, 0.3044, 0.3460



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

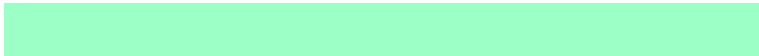


# Same Dimension

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



73.2081, 0.2899, 0.3838



82.6021, 0.2860, 0.3969



75.1694, 0.2694, 0.3364



17.7673, 0.3058, 0.3429



34.6599, 0.2793, 0.5256



2.9029, 0.2721, 0.4996



# Inverse Universe

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



48.2892, 0.3451, 0.2802



49.6875, 0.3539, 0.2703



46.6401, 0.3821, 0.3219



15.9118, 0.3203, 0.3155



11.1808, 0.4634, 0.2326

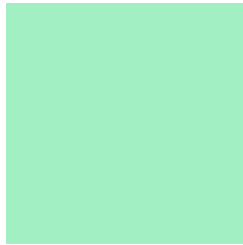


0.9500, 0.4395, 0.2195



# Previews

## White Background



This preview shows how the Yxy color 73.2051, 0.2899, 0.3838 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 73.2051, 0.2899, 0.3838 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

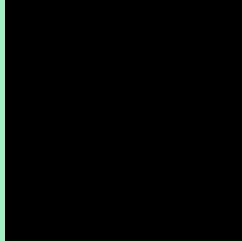
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.2051, 0.2899, 0.3838**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.2051, 0.2899, 0.3838.

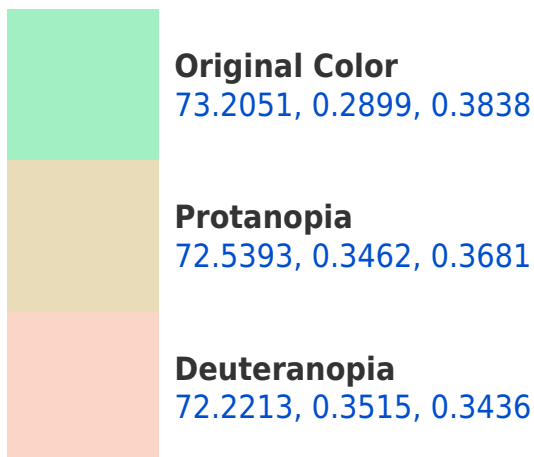


This preview shows how white text looks on a background with the Yxy color 73.2051, 0.2899, 0.3838.

# 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

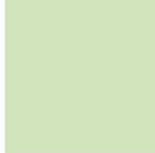
72.9382, 0.2659, 0.3075

# Trichromacy



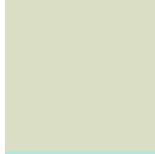
## Original Color

73.2051, 0.2899, 0.3838



## Protanomaly

72.3830, 0.3238, 0.3747



## Deuteranomaly

71.1792, 0.3265, 0.3569



## Tritanomaly

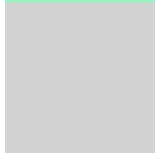
72.9938, 0.2745, 0.3335

# Monochromacy



## Original Color

73.2051, 0.2899, 0.3838



## Achromatopsia

65.1406, 0.3127, 0.3290



## Achromatomaly

67.4581, 0.3034, 0.3477

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.2051, 0.2899, 0.3838 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(161, 239, 194)` looks like.

```
.text, #text, p{  
    color:rgb(161, 239, 194)  
}
```

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(161, 239, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 239, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 73.2051, 0.2899, 0.3838 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(161, 239, 194) }
```

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

```
.border{ border-color:rgb(161, 239, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 239, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 239, 194); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 239, 194); box-shadow:4px 4px 4px 4px rgb(161, 239, 194) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.2051, 0.2899, 0.3838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 239, 194) }
```

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

```
.background{ background-color: rgb(161,  
239, 194) }
```

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