

# Converting Colors

$Yxy(73.9344, 0.2691, 0.3774)$

Have a look what the booklet for  
Yxy(73.9344, 0.2691, 0.3774)  
contains.

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# Color

**Yxy(73.9344, 0.2691, 0.3774)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83F4CD
RGB	131, 244, 205
RGB Percent	51%, 96%, 80%
CMY	0.4867, 0.0431, 0.1961
CMYK	0.46, 0.00, 0.16, 0.04
HSL	159°, 84%, 74%
HSV	159°, 46%, 96%
XYZ	52.7179, 73.9344, 69.2523
YIQ	205.7670, -54.8290, -36.0850

# Conversions

## Conversions Part 2

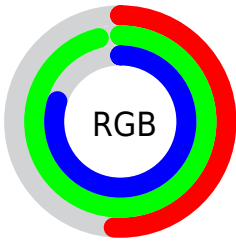
Format	Color
<a href="#">RYB</a>	<a href="#">131, 199, 244</a>
Decimal	<a href="#">8647885</a>
CIELab	<a href="#">88.89, -41.31, 8.85</a>
CIELCh	<a href="#">89, 42.244, 167.907</a>
Yxy	<a href="#">73.9344, 0.2691, 0.3774</a>
Android (android.graphics.Color)	<a href="#">4286837965</a> ( <a href="#">0xFF83F4CD</a> )
YUV	<a href="#">205.7670, -0.3781, -65.5707</a>
Hunter-Lab	<a href="#">85.9851, -41.0347, 12.4375</a>

# Details

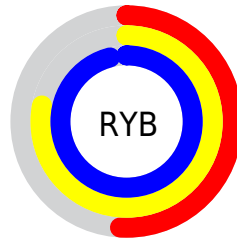
The Yxy color **73.9344, 0.2691, 0.3774** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **38.3391, 0.3942, 0.2869**, and the grayscale version is **61.5791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5588, 0.2747, 0.3289**, and **39.1527, 0.2586, 0.3890** is the 20% darker color. If you saturate the color by 10%, you get **71.8194, 0.2628, 0.3901**, and if you desaturate by 10%, it is **76.5358, 0.2769, 0.3654**.

# Distribution



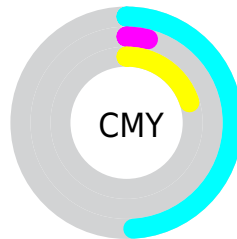
- Red (51%)
- Green (96%)
- Blue (80%)



- Red (51%)
- Yellow (78%)
- Blue (96%)



- Cyan (46%)
- Magenta (0%)
- Yellow (16%)
- Black (4%)



- Cyan (49%)
- Magenta (4%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.9344, 0.2691, 0.3774 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 73.9344, 0.2691, 0.3774 by changing the saturation by 10% instead.





 73.9344, 0.2691,  
0.3774

 73.9344, 0.2691,  
0.3774


474.2469, 0.2895,  
0.3543

 54.7403, 0.2644,  
0.3828


 124.8028, 0.2762,  
0.3693

 39.1939, 0.2585,  
0.3896


 157.2460, 0.2790,  
0.3661

 26.9106, 0.2511,  
0.3984


 194.8743, 0.2814,  
0.3635

 17.5061, 0.2413,  
0.4100

238.0721, 0.2834,  
0.3612

 10.5960, 0.2279,  
0.4263

287.2239, 0.2852,  
0.3591

 5.7959, 0.2084,  
0.4507

342.7141, 0.2868,

 2.7213, 0.1780,

0.3573

0.4906

404.9269, 0.2882,  
0.3558

0.9880, 0.0000,  
0.6856

0.0000, 0.0000,  
0.0000

73.9344, 0.2691,  
0.3774

73.9344, 0.2691,  
0.3774

71.8194, 0.2628,  
0.3901

76.5358, 0.2769,  
0.3654

70.1488, 0.2584,  
0.4033


79.6447, 0.2858,  
0.3541

68.8882, 0.2559,  
0.4167


83.2912, 0.2956,  
0.3438


67.9940, 0.2554,  
0.4302

87.5009, 0.3059,  
0.3345

 67.4117, 0.2570,  
0.4433

 92.2974, 0.3166,  
0.3260

 67.2459, 0.2578,  
0.4481

 93.1925, 0.3132,  
0.3185

# Harmonies

## Analogous

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



73.9344, 0.3167, 0.4133



73.9344, 0.2691, 0.3774



73.9344, 0.2349, 0.3268

# Triad

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



73.9344, 0.2691, 0.3774



73.9344, 0.2572, 0.2486



73.9344, 0.4139, 0.3629

# Complementary

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



73.9344, 0.2691, 0.3774



38.3391, 0.3942, 0.2869

# 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.



73.9344, 0.3961, 0.3228



73.9344, 0.2691, 0.3774



73.9344, 0.3021, 0.2600

# Square

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



73.9344, 0.2691, 0.3774



73.9344, 0.2289, 0.2555



73.9344, 0.3538, 0.2864



73.9344, 0.4017, 0.3988



# Rectangle

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



73.9344, 0.2691, 0.3774



73.9344, 0.2233, 0.2956



73.9344, 0.3538, 0.2864



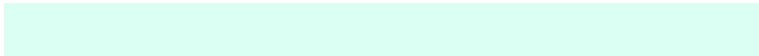
73.9344, 0.4113, 0.3496

# Sweetspot

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



73.9374, 0.2691, 0.3774



93.0789, 0.2980, 0.3416



74.9488, 0.3296, 0.4650



19.7184, 0.2957, 0.3437



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.



73.9374, 0.2691, 0.3774



79.4221, 0.2630, 0.3898



66.3150, 0.2472, 0.3083



18.6550, 0.3027, 0.3373



36.5850, 0.2572, 0.4460



3.2348, 0.2526, 0.4295



# Inverse Universe

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



38.3391, 0.3942, 0.2869



35.4815, 0.4216, 0.2795



42.0088, 0.4303, 0.3478



16.5769, 0.3239, 0.3209



10.8303, 0.5598, 0.2858

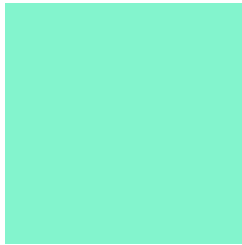


0.9705, 0.5250, 0.2666



# Previews

## White Background



This preview shows how the Yxy color 73.9344, 0.2691, 0.3774 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

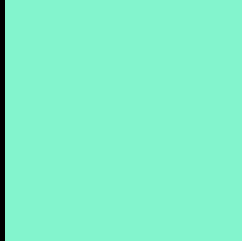
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.9344, 0.2691, 0.3774 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

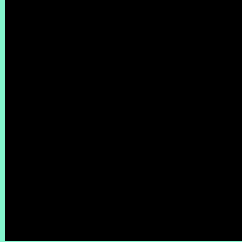
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.9344, 0.2691, 0.3774**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.9344, 0.2691, 0.3774.



This preview shows how white text looks on a background with the Yxy color 73.9344, 0.2691, 0.3774.

# 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

73.9344, 0.2691, 0.3774

### Protanopia

72.7190, 0.3398, 0.3594

### Deuteranopia

72.5704, 0.3395, 0.3322



## Tritanopia

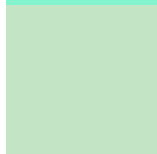
73.5068, 0.2517, 0.3071

# Trichromacy



## Original Color

73.9344, 0.2691, 0.3774



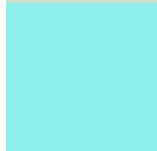
## Protanomaly

71.6719, 0.3096, 0.3662



## Deuteranomaly

71.4330, 0.3091, 0.3471



## Tritanomaly

73.5982, 0.2579, 0.3312

# Monochromacy



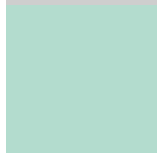
## Original Color

73.9344, 0.2691, 0.3774



## Achromatopsia

61.7207, 0.3127, 0.3290



## Achromatomaly

65.2263, 0.2933, 0.3458

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.9344, 0.2691, 0.3774 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(131, 244, 205)` looks like.

```
.text, #text, p{  
    color:rgb(131, 244, 205)  
}
```

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(131, 244, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 244, 205) }
```

## Border

The CSS property to change the border of an element to Yxy 73.9344, 0.2691, 0.3774 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(131, 244, 205) }
```

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

```
.border{ border-color:rgb(131, 244, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 244, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 244, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 244, 205);  
box-shadow:4px 4px 4px 4px rgb(131, 244,  
205) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.9344, 0.2691, 0.3774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 244, 205) }
```

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

```
.background{ background-color: rgb(131,  
244, 205) }
```

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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