

# Converting Colors

$Yxy(74.5192, 0.2800, 0.3569)$

Have a look what the booklet for  
Yxy(74.5192, 0.2800, 0.3569)  
contains.

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# Color

**Yxy(74.5318, 0.2802, 0.3573)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A4EFD7
RGB	164, 239, 215
RGB Percent	64%, 94%, 84%
CMY	0.3568, 0.0628, 0.1567
CMYK	0.31, 0.00, 0.10, 0.06
HSL	161°, 70%, 79%
HSV	161°, 31%, 94%
XYZ	58.4490, 74.5318, 75.6165
YIQ	213.8390, -36.9960, -23.3640

# Conversions

## Conversions Part 2

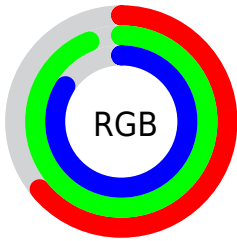
Format	Color
<a href="#">RYB</a>	<a href="#">164, 209, 239</a>
Decimal	<a href="#">10809303</a>
CIELab	<a href="#">89.17, -28.14, 4.22</a>
CIElCh	<a href="#">89, 28.458, 171.471</a>
Yxy	<a href="#">74.5318, 0.2802, 0.3573</a>
Android (android.graphics.Color)	<a href="#">4288999383</a> ( <a href="#">0xFFA4EFD7</a> )
YUV	<a href="#">213.8390, 0.5724, -43.7088</a>
Hunter-Lab	<a href="#">86.3318, -30.2314, 8.5012</a>

# Details

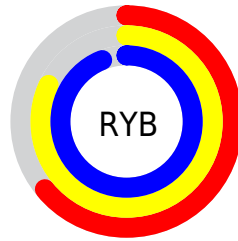
The Yxy color **74.5318, 0.2802, 0.3573** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.5411, 0.3613, 0.3027**, and the grayscale version is **67.1524, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **39.6562, 0.2724, 0.3652** is the 20% darker color. If you saturate the color by 10%, you get **71.8422, 0.2716, 0.3680**, and if you desaturate by 10%, it is **77.7236, 0.2899, 0.3474**.

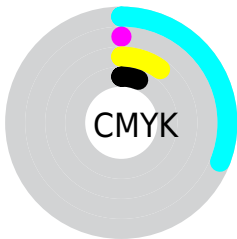
# Distribution



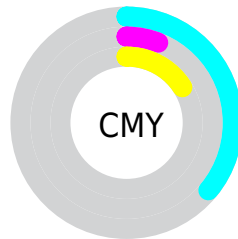
- Red (64%)
- Green (94%)
- Blue (84%)



- Red (64%)
- Yellow (82%)
- Blue (94%)



- Cyan (31%)
- Magenta (0%)
- Yellow (10%)
- Black (6%)




- Cyan (36%)
- Magenta (6%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.5318, 0.2802, 0.3573 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 74.5318, 0.2802, 0.3573 by changing the saturation by 10% instead.




 74.5318, 0.2802,  
0.3573

 74.5318, 0.2802,  
0.3573


476.3068, 0.2953,  
0.3440

 55.2294, 0.2768,  
0.3604


 125.6494, 0.2854,  
0.3527

 39.5854, 0.2725,  
0.3642

 158.2334, 0.2875,  
0.3509

 27.2155, 0.2671,  
0.3691


196.0133, 0.2892,  
0.3493

 17.7351, 0.2600,  
0.3755

239.3737, 0.2907,  
0.3480

 10.7600, 0.2504,  
0.3844

288.6988, 0.2921,  
0.3468

 5.9057, 0.2365,  
0.3974


344.3731, 0.2933,

 2.7878, 0.2148,


0.3458


0.4184


406.7809, 0.2943,  
0.3449


 1.0220, 0.1318,  
0.4842


 0.0000, 0.0000,  
0.0000


 74.5318, 0.2802,  
0.3573


 74.5318, 0.2802,  
0.3573

 71.8422, 0.2716,  
0.3680


 77.7236, 0.2899,  
0.3474


 69.6187, 0.2643,  
0.3794


 81.4334, 0.3003,  
0.3383


 67.8346, 0.2587,  
0.3913


 85.6877, 0.3112,  
0.3301


 66.4565, 0.2550,  
0.4036


 89.6203, 0.3192,  
0.3226

 65.4465, 0.2533,  
0.4160

 90.0981, 0.3145,  
0.3153

 64.7588, 0.2536,  
0.4283

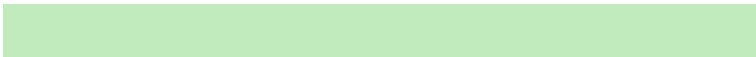
 90.2115, 0.3134,  
0.3136

 64.3616, 0.2552,  
0.4387

# Harmonies

## Analogous

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



74.5318, 0.3123, 0.3821



74.5318, 0.2802, 0.3573



74.5318, 0.2575, 0.3246

# Triad

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



74.5318, 0.2802, 0.3573



74.5318, 0.2783, 0.2735



74.5318, 0.3807, 0.3570

# Complementary

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



74.5318, 0.2802, 0.3573



48.5411, 0.3613, 0.3027

# 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.



74.5318, 0.3709, 0.3291



74.5318, 0.2802, 0.3573



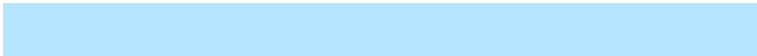
74.5318, 0.3102, 0.2827

# Square

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



74.5318, 0.2802, 0.3573



74.5318, 0.2565, 0.2776



74.5318, 0.3445, 0.3025



74.5318, 0.3711, 0.3797

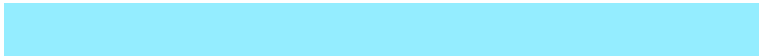


# Rectangle

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



74.5318, 0.2802, 0.3573



74.5318, 0.2502, 0.3042



74.5318, 0.3445, 0.3025



74.5318, 0.3796, 0.3479

# Sweetspot

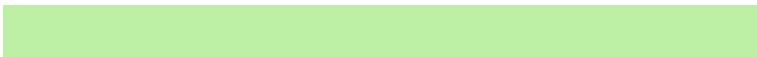
The Sweet Spot groups the original color and five complimentary colors.



74.5348, 0.2802, 0.3573



95.4406, 0.3028, 0.3363



75.2338, 0.3247, 0.4171



20.2810, 0.3013, 0.3375



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

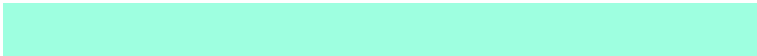


# Same Dimension

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



74.5348, 0.2802, 0.3573



84.1825, 0.2742, 0.3645



68.7935, 0.2660, 0.3143



17.8380, 0.3023, 0.3367



35.5935, 0.2547, 0.4368



2.9791, 0.2502, 0.4208



# Inverse Universe

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



48.5411, 0.3613, 0.3027



49.4252, 0.3764, 0.2968



52.2872, 0.3801, 0.3431



15.8421, 0.3243, 0.3215



10.4536, 0.5691, 0.2908

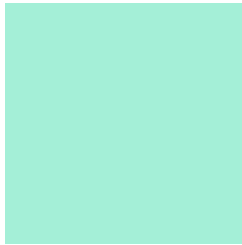


0.8871, 0.5319, 0.2704



# Previews

## White Background



This preview shows how the Yxy color 74.5318, 0.2802, 0.3573 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

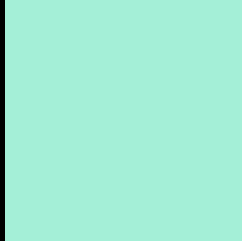
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.5318, 0.2802, 0.3573 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

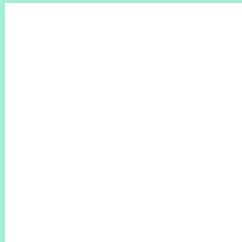
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.5318, 0.2802, 0.3573**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.5318, 0.2802, 0.3573.

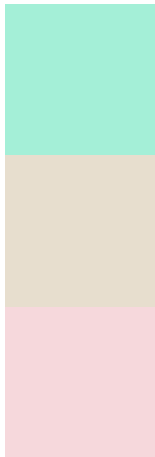


This preview shows how white text looks on a background with the Yxy color 74.5318, 0.2802, 0.3573.

# 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

74.5318, 0.2802, 0.3573

### Protanopia

73.6877, 0.3299, 0.3462

### Deuteranopia

73.8719, 0.3320, 0.3249



## Tritanopia

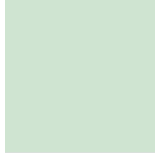
74.6446, 0.2647, 0.3087

# Trichromacy



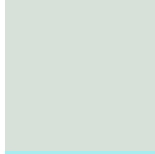
## Original Color

74.5318, 0.2802, 0.3573



## Protanomaly

73.3557, 0.3103, 0.3503



## Deuteranomaly

72.9722, 0.3110, 0.3356



## Tritanomaly

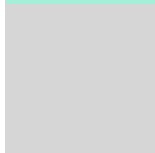
74.6579, 0.2700, 0.3254

# Monochromacy



## Original Color

74.5318, 0.2802, 0.3573



## Achromatopsia

67.2443, 0.3127, 0.3290



## Achromatomaly

69.3662, 0.2998, 0.3393

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.5318, 0.2802, 0.3573 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(164, 239, 215)` looks like.

```
.text, #text, p{  
    color:rgb(164, 239, 215)  
}
```

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(164, 239, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 239, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 74.5318, 0.2802, 0.3573 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(164, 239, 215) }
```

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

```
.border{ border-color:rgb(164, 239, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 239, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 239, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 239, 215);  
box-shadow:4px 4px 4px 4px rgb(164, 239,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.5318, 0.2802, 0.3573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 239, 215) }
```

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

```
.background{ background-color: rgb(164,  
239, 215) }
```

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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