

# Converting Colors

$Yxy(71.4797, 0.2797, 0.3419)$

Have a look what the booklet for  
Yxy(71.4797, 0.2797, 0.3419)  
contains.

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# Color

**Yxy(71.4797, 0.2797, 0.3419)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAE8DD
RGB	170, 232, 221
RGB Percent	67%, 91%, 87%
CMY	0.3335, 0.0901, 0.1334
CMYK	0.27, 0.00, 0.05, 0.09
HSL	169°, 57%, 79%
HSV	169°, 27%, 91%
XYZ	58.4758, 71.4797, 79.1106
YIQ	212.2080, -33.4210, -16.5650

# Conversions

## Conversions Part 2

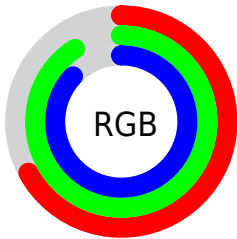
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	170, 204, 232
Decimal	11200733
CIE Lab	87.72, -21.80, -0.98
CIE LCh	88, 21.825, 182.563
Yxy	71.4797, 0.2797, 0.3419
Android (android.graphics.Color)	4289390813 (0xFFAAE8DD)
YUV	212.2080, 4.3345, -37.0164
Hunter-Lab	84.5457, -24.4959, 3.7035

# Details

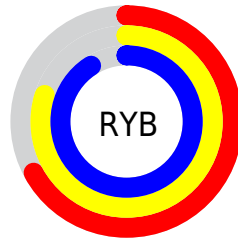
The Yxy color **71.4797, 0.2797, 0.3419** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.2260, 0.3601, 0.3166**, and the grayscale version is **65.9660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **37.5168, 0.2719, 0.3446** is the 20% darker color. If you saturate the color by 10%, you get **68.9048, 0.2691, 0.3475**, and if you desaturate by 10%, it is **74.5221, 0.2914, 0.3367**.

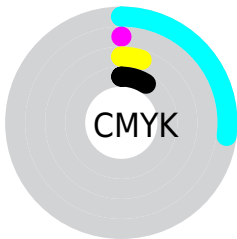
# Distribution



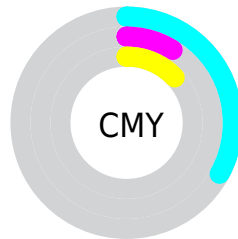
- Red (67%)
- Green (91%)
- Blue (87%)



- Red (67%)
- Yellow (80%)
- Blue (91%)



- Cyan (27%)
- Magenta (0%)
- Yellow (5%)
- Black (9%)




- Cyan (33%)
- Magenta (9%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.4797, 0.2797, 0.3419 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 71.4797, 0.2797, 0.3419 by changing the saturation by 10% instead.





 71.4797, 0.2797,  
0.3419

 71.4797, 0.2797,  
0.3419


465.7286, 0.2950,  
0.3360

 52.7338, 0.2762,  
0.3432


 121.3165, 0.2850,  
0.3399

 37.5903, 0.2719,  
0.3449


153.1762, 0.2871,  
0.3391

 25.6648, 0.2665,  
0.3470


190.1759, 0.2888,  
0.3384

 16.5731, 0.2593,  
0.3497

232.7000, 0.2904,  
0.3378

 9.9306, 0.2496,  
0.3533

281.1329, 0.2917,  
0.3372

 5.3530, 0.2357,  
0.3586

335.8591, 0.2929,

 2.4558, 0.2139,

0.3368

397.2628, 0.2940,  
0.3364

0.3665

0.8544, 0.1312,  
0.4005

0.0000, 0.0000,  
0.0000

71.4797, 0.2797,  
0.3419

71.4797, 0.2797,  
0.3419

68.9048, 0.2691,  
0.3475

74.5221, 0.2914,  
0.3367

66.7646, 0.2598,  
0.3534

78.0455, 0.3040,  
0.3320


65.0357, 0.2522,  
0.3596

82.0736, 0.3170,  
0.3276


63.6892, 0.2464,  
0.3659


85.1245, 0.3249,  
0.3237

 62.6922, 0.2426,  
0.3724

 85.3690, 0.3223,  
0.3196


 62.0061, 0.2408,  
0.3788


 85.6190, 0.3196,  
0.3157

 61.5819, 0.2407,  
0.3852

 85.8747, 0.3170,  
0.3117

 61.4740, 0.2409,  
0.3873

 86.1360, 0.3144,  
0.3078

 86.2020, 0.3138,  
0.3068

# Harmonies

## Analogous

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



71.4797, 0.3029, 0.3640



71.4797, 0.2797, 0.3419



71.4797, 0.2655, 0.3169

# Triad

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



71.4797, 0.2797, 0.3419



71.4797, 0.2946, 0.2867



71.4797, 0.3644, 0.3587

# Complementary

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



71.4797, 0.2797, 0.3419



49.2260, 0.3601, 0.3166

# 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.



71.4797, 0.3623, 0.3378



71.4797, 0.2797, 0.3419



71.4797, 0.3210, 0.2974

# Square

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



71.4797, 0.2797, 0.3419



71.4797, 0.2738, 0.2862



71.4797, 0.3461, 0.3157



71.4797, 0.3522, 0.3729

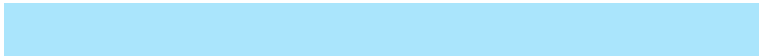


# Rectangle

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



71.4797, 0.2797, 0.3419



71.4797, 0.2627, 0.3025



71.4797, 0.3461, 0.3157



71.4797, 0.3654, 0.3522

# Sweetspot

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



71.4826, 0.2797, 0.3419



96.1028, 0.3023, 0.3326



70.4864, 0.3167, 0.4041



20.4228, 0.3004, 0.3333



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

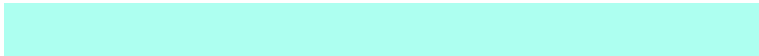


# Same Dimension

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



71.4826, 0.2797, 0.3419



86.7708, 0.2738, 0.3449



61.6365, 0.2714, 0.3055



16.2901, 0.3005, 0.3332



34.1397, 0.2406, 0.3862



2.5344, 0.2380, 0.3769



# Inverse Universe

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



49.2260, 0.3601, 0.3166



54.9274, 0.3734, 0.3140



56.7157, 0.3646, 0.3513



14.4096, 0.3265, 0.3248



9.6270, 0.6126, 0.3148

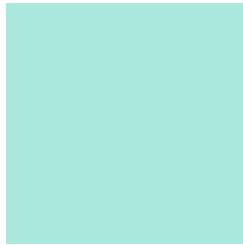


0.7237, 0.5742, 0.2937



# Previews

## White Background



This preview shows how the Yxy color 71.4797, 0.2797, 0.3419 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

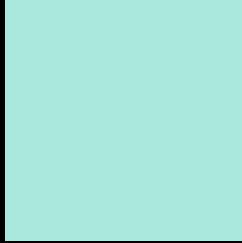
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.4797, 0.2797, 0.3419 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

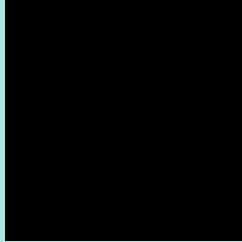
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

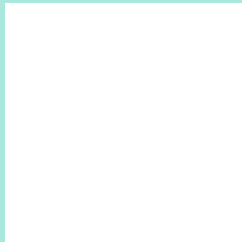
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.4797, 0.2797, 0.3419**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.4797, 0.2797, 0.3419.

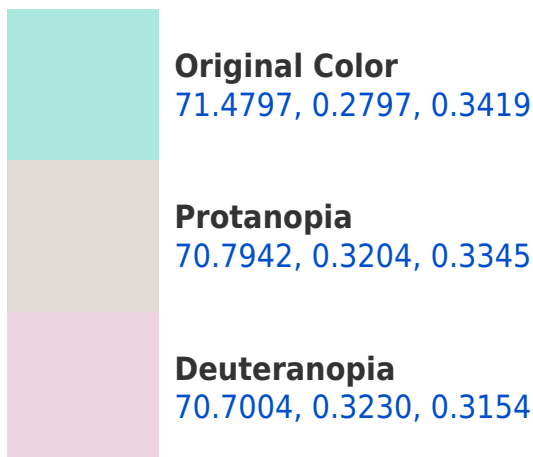


This preview shows how white text looks on a background with the Yxy color 71.4797, 0.2797, 0.3419.

# 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

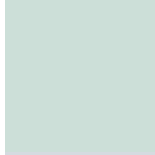
71.2546, 0.2687, 0.3085

# Trichromacy



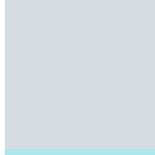
## Original Color

71.4797, 0.2797, 0.3419



## Protanomaly

70.5706, 0.3040, 0.3369



## Deuteranomaly

70.1910, 0.3052, 0.3235



## Tritanomaly

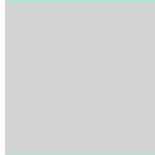
71.0373, 0.2724, 0.3197

# Monochromacy



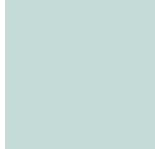
## Original Color

71.4797, 0.2797, 0.3419



## Achromatopsia

65.8375, 0.3127, 0.3290



## Achromatomaly

67.4396, 0.2999, 0.3336

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.4797, 0.2797, 0.3419 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(170, 232, 221)` looks like.

```
.text, #text, p{  
    color:rgb(170, 232, 221)  
}
```

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(170, 232, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 232, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 71.4797, 0.2797, 0.3419 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(170, 232, 221) }
```

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

```
.border{ border-color:rgb(170, 232, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 232, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 232, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 232, 221); box-shadow:4px 4px 4px 4px rgb(170, 232, 221) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.4797, 0.2797, 0.3419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 232, 221) }
```

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

```
.background{ background-color: rgb(170,  
232, 221) }
```

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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