

# Converting Colors

$Yxy(73.3079, 0.2798, 0.3388)$

Have a look what the booklet for  
Yxy(73.3079, 0.2798, 0.3388)  
contains.

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# Color

**Yxy(73.2806, 0.2800, 0.3394)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEEAE1
RGB	174, 234, 225
RGB Percent	68%, 92%, 88%
CMY	0.3179, 0.0823, 0.1177
CMYK	0.26, 0.00, 0.04, 0.08
HSL	171°, 59%, 80%
HSV	171°, 26%, 92%
XYZ	60.4554, 73.2806, 82.1762
YIQ	215.0340, -32.8710, -15.5190

# Conversions

## Conversions Part 2

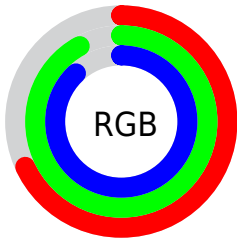
Format	Color
<b>RYB</b>	174, 206, 234
Decimal	11463393
CIELab	88.58, -20.78, -1.78
CIELCh	89, 20.857, 184.895
Yxy	73.2806, 0.2800, 0.3394
Android (android.graphics.Color)	4289653473 (0xFFAEEAE1)
YUV	215.0340, 4.9132, -35.9868
Hunter-Lab	85.6041, -23.7467, 3.0071

# Details

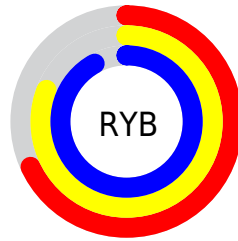
The Yxy color **73.2806, 0.2800, 0.3394** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **51.1609, 0.3592, 0.3190**, and the grayscale version is **67.9545, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7289, 0.2982, 0.3290**, and **38.7361, 0.2724, 0.3412** is the 20% darker color. If you saturate the color by 10%, you get **70.6369, 0.2690, 0.3441**, and if you desaturate by 10%, it is **76.4024, 0.2922, 0.3351**.

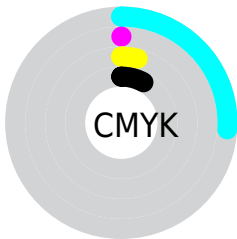
# Distribution



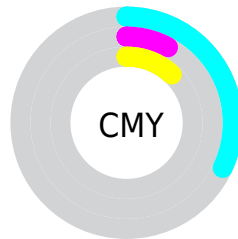
- Red (68%)
- Green (92%)
- Blue (88%)



- Red (68%)
- Yellow (81%)
- Blue (92%)



- Cyan (26%)
- Magenta (0%)
- Yellow (4%)
- Black (8%)




- Cyan (32%)
- Magenta (8%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.2806, 0.2800, 0.3394 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 73.2806, 0.2800, 0.3394 by changing the saturation by 10% instead.





 73.2806, 0.2800,  
0.3394

 73.2806, 0.2800,  
0.3394

471.9867, 0.2951,  
0.3347

 54.2054, 0.2766,  
0.3405


 123.8755, 0.2852,  
0.3378

 38.7659, 0.2724,  
0.3417


156.1640, 0.2872,  
0.3372

 26.5777, 0.2671,  
0.3434


193.6257, 0.2890,  
0.3366

 17.2563, 0.2601,  
0.3454

236.6451, 0.2905,  
0.3361

 10.4174, 0.2508,  
0.3482

285.6065, 0.2918,  
0.3357

 5.6766, 0.2374,  
0.3521

340.8943, 0.2930,

 2.6494, 0.2167,

0.3353

402.8929, 0.2941,  
0.3350

0.3578

0.9516, 0.1570,  
0.3777

0.0000, 0.0000,  
0.0000

73.2806, 0.2800,  
0.3394

73.2806, 0.2800,  
0.3394

70.6369, 0.2690,  
0.3441

76.4024, 0.2922,  
0.3351

68.4380, 0.2593,  
0.3490


80.0160, 0.3051,  
0.3311


66.6604, 0.2513,  
0.3541

84.1453, 0.3186,  
0.3275

65.2748, 0.2451,  
0.3595


86.3531, 0.3237,  
0.3241


 64.2481, 0.2409,  
0.3648


 86.5633, 0.3215,  
0.3207


 63.5417, 0.2386,  
0.3702

 86.7777, 0.3192,  
0.3173

 63.1081, 0.2381,  
0.3755

 86.9961, 0.3170,  
0.3139

 62.9718, 0.2383,  
0.3778

 87.2187, 0.3148,  
0.3105

 87.3372, 0.3137,  
0.3088

# Harmonies

## Analogous

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



73.2806, 0.3015, 0.3607



73.2806, 0.2800, 0.3394



73.2806, 0.2673, 0.3159

# Triad

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



73.2806, 0.2800, 0.3394



73.2806, 0.2974, 0.2893



73.2806, 0.3613, 0.3586

# Complementary

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



73.2806, 0.2800, 0.3394



51.1609, 0.3592, 0.3190

# 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.



73.2806, 0.3603, 0.3390



73.2806, 0.2800, 0.3394



73.2806, 0.3226, 0.3001

# Square

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



73.2806, 0.2800, 0.3394



73.2806, 0.2770, 0.2880



73.2806, 0.3460, 0.3180



73.2806, 0.3487, 0.3713

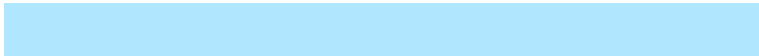


# Rectangle

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



73.2806, 0.2800, 0.3394



73.2806, 0.2653, 0.3026



73.2806, 0.3460, 0.3180



73.2806, 0.3626, 0.3526

# Sweetspot

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



73.2836, 0.2800, 0.3394



96.1380, 0.3020, 0.3320



72.0948, 0.3159, 0.4009



20.4317, 0.3000, 0.3326



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

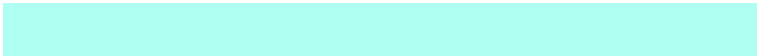


# Same Dimension

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



73.2836, 0.2800, 0.3394



87.2217, 0.2738, 0.3419



63.0220, 0.2729, 0.3053



17.0807, 0.3001, 0.3326



35.3947, 0.2381, 0.3770



2.7899, 0.2360, 0.3696



# Inverse Universe

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



51.1609, 0.3592, 0.3190



55.9152, 0.3728, 0.3167



59.1168, 0.3618, 0.3515



15.0910, 0.3269, 0.3255



9.9101, 0.6190, 0.3184

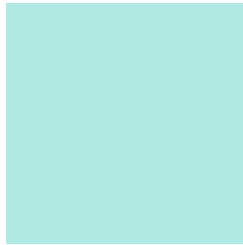


0.7895, 0.5853, 0.2998



# Previews

## White Background



This preview shows how the Yxy color 73.2806, 0.2800, 0.3394 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

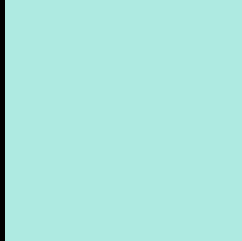
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.2806, 0.2800, 0.3394 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

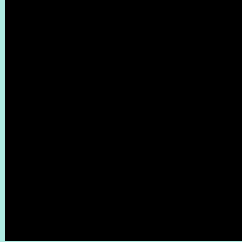
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

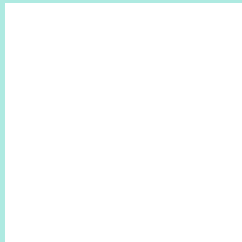
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.2806, 0.2800, 0.3394**

## Background



This preview shows how black text looks on a background with the Yxy color 73.2806, 0.2800, 0.3394.

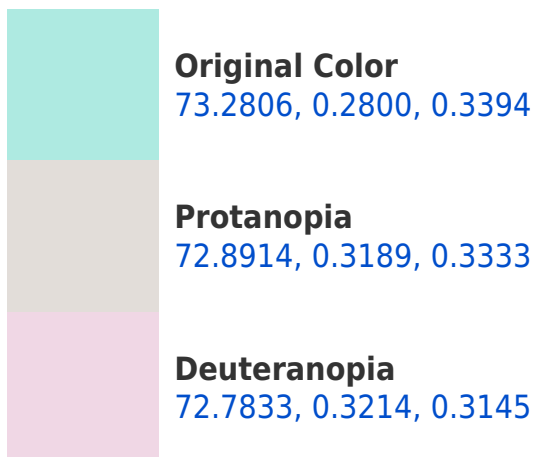


This preview shows how white text looks on a background with the Yxy color 73.2806, 0.2800, 0.3394.

# 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

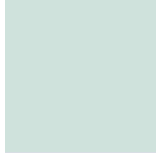
73.0169, 0.2696, 0.3076

# Trichromacy



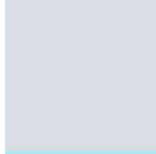
## Original Color

73.2806, 0.2800, 0.3394



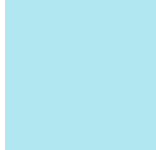
## Protanomaly

72.8254, 0.3035, 0.3356



## Deuteranomaly

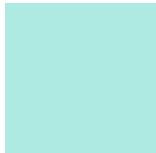
72.4429, 0.3047, 0.3225



## Tritanomaly

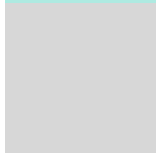
72.7902, 0.2733, 0.3187

# Monochromacy



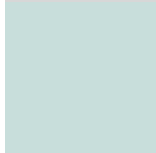
## Original Color

73.2806, 0.2800, 0.3394



## Achromatopsia

67.9542, 0.3127, 0.3290



## Achromatomaly

69.6364, 0.2994, 0.3324

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.2806, 0.2800, 0.3394 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(174, 234, 225)` looks like.

```
.text, #text, p{  
    color:rgb(174, 234, 225)  
}
```

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(174, 234, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 234, 225) }
```

## Border

The CSS property to change the border of an element to Yxy 73.2806, 0.2800, 0.3394 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(174, 234, 225) }
```

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

```
.border{ border-color:rgb(174, 234, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 234, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 234, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 234, 225);  
box-shadow:4px 4px 4px 4px rgb(174, 234,  
225) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.2806, 0.2800, 0.3394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 234, 225) }
```

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

```
.background{ background-color: rgb(174,  
234, 225) }
```

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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