

# Converting Colors

$Yxy(72.0773, 0.2782, 0.3385)$

Have a look what the booklet for  
Yxy(72.0773, 0.2782, 0.3385)  
contains.

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# Color

**Yxy(72.3176, 0.2787, 0.3394)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABE9E0
RGB	171, 233, 224
RGB Percent	67%, 91%, 88%
CMY	0.3296, 0.0862, 0.1214
CMYK	0.27, 0.00, 0.04, 0.09
HSL	171°, 59%, 79%
HSV	171°, 27%, 91%
XYZ	59.3840, 72.3176, 81.3733
YIQ	213.4360, -34.0630, -15.9430

# Conversions

## Conversions Part 2

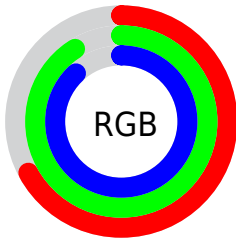
<b>Format</b>	<b>Color</b>
<b>RYB</b>	171, 204, 233
Decimal	11266528
CIELab	88.12, -21.35, -1.98
CIELCh	88, 21.445, 185.293
Yxy	72.3176, 0.2787, 0.3394
Android (android.graphics.Color)	4289456608 (0xFFABE9E0)
YUV	213.4360, 5.2081, -37.2164
Hunter-Lab	85.0398, -24.1716, 2.7941

# Details

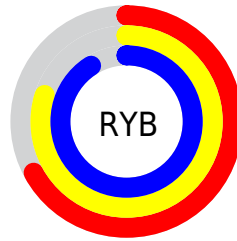
The Yxy color **72.3176, 0.2787, 0.3394** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **49.7268, 0.3618, 0.3190**, and the grayscale version is **66.8252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **38.0908, 0.2708, 0.3413** is the 20% darker color. If you saturate the color by 10%, you get **69.7502, 0.2677, 0.3439**, and if you desaturate by 10%, it is **75.3557, 0.2908, 0.3352**.

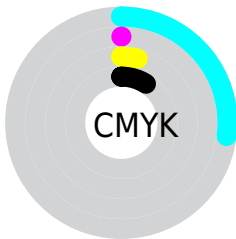
# Distribution



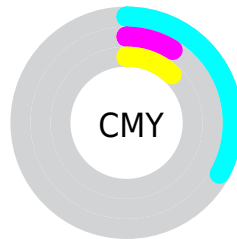
- Red (67%)
- Green (91%)
- Blue (88%)



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



- Cyan (27%)
- Magenta (0%)
- Yellow (4%)
- Black (9%)




- Cyan (33%)
- Magenta (9%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.3176, 0.2787, 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 72.3176, 0.2787, 0.3394 by changing the saturation by 10% instead.





 72.3176, 0.2787,  
0.3394

 72.3176, 0.2787,  
0.3394


468.6463, 0.2944,  
0.3347

 53.4182, 0.2751,  
0.3405


 122.5080, 0.2841,  
0.3378

 38.1367, 0.2707,  
0.3417


154.5677, 0.2862,  
0.3372

 26.0888, 0.2652,  
0.3433


191.7829, 0.2881,  
0.3366

 16.8901, 0.2579,  
0.3454

234.5382, 0.2897,  
0.3361

 10.1562, 0.2481,  
0.3482

283.2177, 0.2910,  
0.3357

 5.5026, 0.2340,  
0.3520

338.2060, 0.2923,

 2.5451, 0.2123,

0.3353

399.8874, 0.2934,  
0.3350

0.3576

0.8991, 0.1413,  
0.3813

0.0000, 0.0000,  
0.0000

72.3176, 0.2787,  
0.3394

72.3176, 0.2787,  
0.3394

69.7502, 0.2677,  
0.3439

75.3557, 0.2908,  
0.3352

67.6204, 0.2582,  
0.3487

78.8781, 0.3038,  
0.3314


65.9048, 0.2503,  
0.3536


82.9087, 0.3173,  
0.3279

64.5739, 0.2442,  
0.3587


85.6886, 0.3248,  
0.3246

 63.5947, 0.2401,  
0.3639

 85.8881, 0.3227,  
0.3213


 62.9282, 0.2380,  
0.3690

 86.0913, 0.3205,  
0.3181

 62.5254, 0.2376,  
0.3741

 86.2982, 0.3183,  
0.3148

 62.4217, 0.2377,  
0.3758

 86.5089, 0.3162,  
0.3116

 86.7234, 0.3141,  
0.3084

# Harmonies

## Analogous

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



72.3176, 0.3008, 0.3616



72.3176, 0.2787, 0.3394



72.3176, 0.2658, 0.3151

# Triad

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



72.3176, 0.2787, 0.3394



72.3176, 0.2972, 0.2881



72.3176, 0.3628, 0.3597

# Complementary

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



72.3176, 0.2787, 0.3394



49.7268, 0.3618, 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.



72.3176, 0.3620, 0.3396



72.3176, 0.2787, 0.3394



72.3176, 0.3233, 0.2994

# Square

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



72.3176, 0.2787, 0.3394



72.3176, 0.2761, 0.2867



72.3176, 0.3473, 0.3179



72.3176, 0.3496, 0.3728

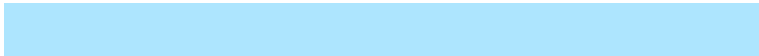


# Rectangle

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



72.3176, 0.2787, 0.3394



72.3176, 0.2638, 0.3015



72.3176, 0.3473, 0.3179



72.3176, 0.3642, 0.3535

# Sweetspot

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



72.3205, 0.2787, 0.3394



96.1456, 0.3019, 0.3319



70.9575, 0.3153, 0.4041



20.4336, 0.2999, 0.3325



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.



72.3205, 0.2787, 0.3394



86.9329, 0.2725, 0.3419



61.2701, 0.2714, 0.3031



17.0822, 0.3000, 0.3324



35.4300, 0.2375, 0.3750



2.7924, 0.2355, 0.3679



# Inverse Universe

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



49.7268, 0.3618, 0.3190



54.8122, 0.3759, 0.3168



58.2602, 0.3638, 0.3535



15.0895, 0.3270, 0.3256



9.9052, 0.6202, 0.3190

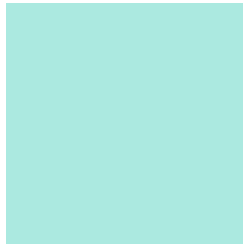


0.7889, 0.5872, 0.3008



# Previews

## White Background



This preview shows how the Yxy color 72.3176, 0.2787, 0.3394 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

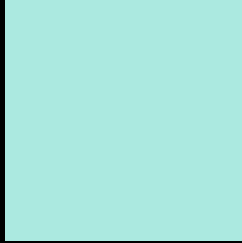
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.3176, 0.2787, 0.3394 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

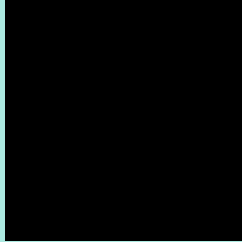
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

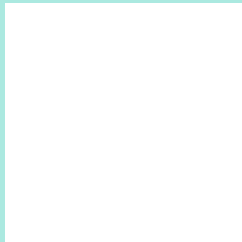
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.3176, 0.2787, 0.3394**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.3176, 0.2787, 0.3394.

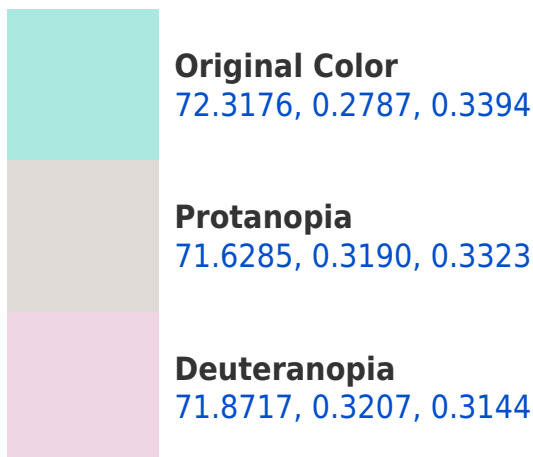


This preview shows how white text looks on a background with the Yxy color 72.3176, 0.2787, 0.3394.

# 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

72.0460, 0.2683, 0.3075

# Trichromacy



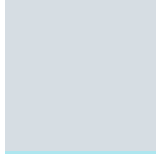
## Original Color

72.3176, 0.2787, 0.3394



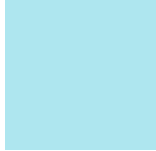
## Protanomaly

71.4049, 0.3028, 0.3346



## Deuteranomaly

71.5551, 0.3039, 0.3224



## Tritanomaly

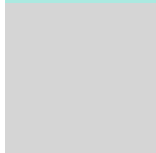
71.8243, 0.2720, 0.3186

# Monochromacy



## Original Color

72.3176, 0.2787, 0.3394



## Achromatopsia

66.5387, 0.3127, 0.3290



## Achromatomaly

68.2019, 0.2993, 0.3324

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.3176, 0.2787, 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(171, 233, 224)` looks like.

```
.text, #text, p{  
    color:rgb(171, 233, 224)  
}
```

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(171, 233, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 233, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 72.3176, 0.2787, 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(171, 233, 224) }
```

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

```
.border{ border-color:rgb(171, 233, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 233, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 233, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 233, 224);  
box-shadow:4px 4px 4px 4px rgb(171, 233,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.3176, 0.2787, 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(171, 233, 224) }
```

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

```
.background{ background-color: rgb(171,  
233, 224) }
```

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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