

# Converting Colors

$Yxy(72.0653, 0.2879, 0.3476)$

Have a look what the booklet for  
Yxy(72.0653, 0.2879, 0.3476)  
contains.

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# Color

**Yxy(72.2548, 0.2879, 0.3476)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3E8D8
RGB	179, 232, 216
RGB Percent	70%, 91%, 85%
CMY	0.2980, 0.0902, 0.1529
CMYK	0.23, 0.00, 0.07, 0.09
HSL	162°, 54%, 81%
HSV	162°, 23%, 91%
XYZ	59.8451, 72.2548, 75.7678
YIQ	214.3290, -26.4520, -16.2120

# Conversions

## Conversions Part 2

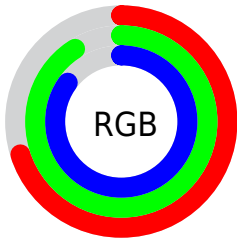
Format	Color
<b>RYB</b>	179, 210, 232
Decimal	11790552
CIELab	88.09, -20.12, 2.24
CIELCh	88, 20.244, 173.656
Yxy	72.2548, 0.2879, 0.3476
Android (android.graphics.Color)	4289980632 (0xFFB3E8D8)
YUV	214.3290, 0.8238, -30.9835
Hunter-Lab	85.0028, -23.0844, 6.6535

# Details

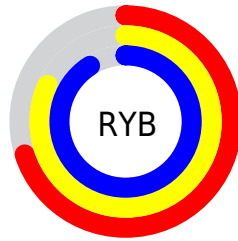
The Yxy color **72.2548, 0.2879, 0.3476** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **53.3416, 0.3457, 0.3112**, and the grayscale version is **67.4897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **37.9839, 0.2820, 0.3522** is the 20% darker color. If you saturate the color by 10%, you get **69.3674, 0.2782, 0.3570**, and if you desaturate by 10%, it is **75.6287, 0.2984, 0.3389**.

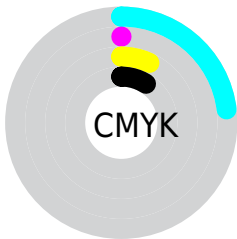
# Distribution



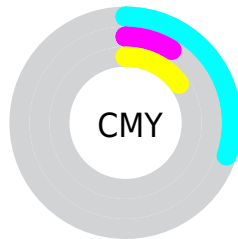
- Red (70%)
- Green (91%)
- Blue (85%)



- Red (70%)
- Yellow (82%)
- Blue (91%)



- Cyan (23%)
- Magenta (0%)
- Yellow (7%)
- Black (9%)




- Cyan (30%)
- Magenta (9%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.2548, 0.2879, 0.3476 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 72.2548, 0.2879, 0.3476 by changing the saturation by 10% instead.




 72.2548, 0.2879,  
0.3476

 72.2548, 0.2879,  
0.3476


468.4280, 0.2994,  
0.3389

 53.3668, 0.2853,  
0.3496

 122.4187, 0.2919,  
0.3446

 38.0957, 0.2820,  
0.3521


154.4635, 0.2935,  
0.3434

 26.0570, 0.2778,  
0.3553

191.6626, 0.2948,  
0.3424

 16.8663, 0.2723,  
0.3595

234.4005, 0.2960,  
0.3415

 10.1392, 0.2649,  
0.3653

283.0616, 0.2970,  
0.3407

 5.4913, 0.2540,  
0.3738

338.0303, 0.2979,

 2.5383, 0.2368,

0.3401

399.6910, 0.2987,  
0.3394

0.3876

0.8958, 0.1736,  
0.4317

0.0000, 0.0000,  
0.0000

72.2548, 0.2879,  
0.3476

72.2548, 0.2879,  
0.3476

69.3674, 0.2782,  
0.3570

75.6287, 0.2984,  
0.3389

66.9340, 0.2695,  
0.3672


79.5018, 0.3095,  
0.3311


64.9323, 0.2623,  
0.3780


83.8978, 0.3209,  
0.3240


63.3341, 0.2568,  
0.3892


85.5061, 0.3207,  
0.3173


 62.1080, 0.2532,  
0.4007

 85.9395, 0.3163,  
0.3106

 61.2180, 0.2516,  
0.4123

 86.1938, 0.3138,  
0.3068

 60.6203, 0.2521,  
0.4238

 60.3228, 0.2533,  
0.4319

# Harmonies

## Analogous

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



72.2548, 0.3110, 0.3656



72.2548, 0.2879, 0.3476



72.2548, 0.2718, 0.3246

# Triad

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



72.2548, 0.2879, 0.3476



72.2548, 0.2894, 0.2886



72.2548, 0.3614, 0.3513

# Complementary

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



72.2548, 0.2879, 0.3476



53.3416, 0.3457, 0.3112

# 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.



72.2548, 0.3553, 0.3310



72.2548, 0.2879, 0.3476



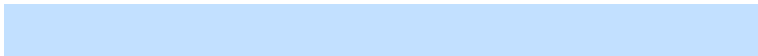
72.2548, 0.3130, 0.2959

# Square

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



72.2548, 0.2879, 0.3476



72.2548, 0.2727, 0.2912



72.2548, 0.3373, 0.3111



72.2548, 0.3538, 0.3667



# Rectangle

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



72.2548, 0.2879, 0.3476



72.2548, 0.2669, 0.3102



72.2548, 0.3373, 0.3111



72.2548, 0.3609, 0.3448

# Sweetspot

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



72.2578, 0.2879, 0.3476



96.4284, 0.3048, 0.3343



72.6770, 0.3211, 0.3909



20.5769, 0.3041, 0.3348



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

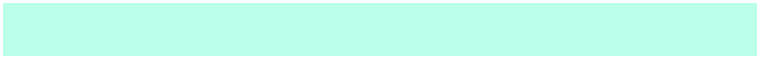


# Same Dimension

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



72.2578, 0.2879, 0.3476



87.9316, 0.2836, 0.3516



67.8065, 0.2781, 0.3176



16.2584, 0.3022, 0.3362



33.5119, 0.2528, 0.4300



2.4927, 0.2482, 0.4134



# Inverse Universe

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



53.3416, 0.3457, 0.3112



60.9422, 0.3538, 0.3077



56.6894, 0.3573, 0.3401



14.4392, 0.3245, 0.3219



9.7892, 0.5751, 0.2942

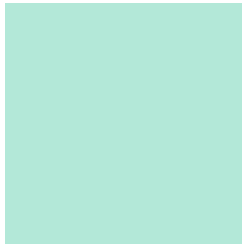


0.7394, 0.5334, 0.2712



# Previews

## White Background



This preview shows how the Yxy color 72.2548, 0.2879, 0.3476 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

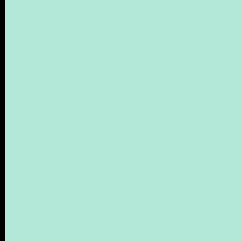
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.2548, 0.2879, 0.3476 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

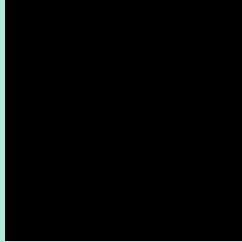
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

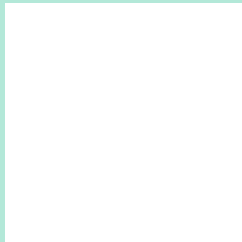
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.2548, 0.2879, 0.3476**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.2548, 0.2879, 0.3476.

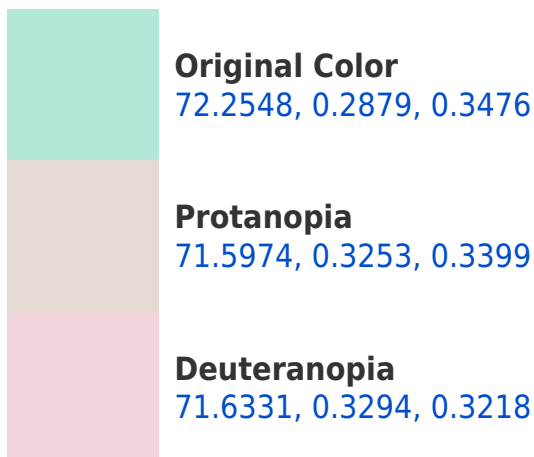


This preview shows how white text looks on a background with the Yxy color 72.2548, 0.2879, 0.3476.

# 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

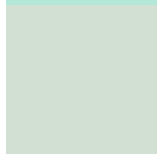
72.4549, 0.2744, 0.3088

# Trichromacy



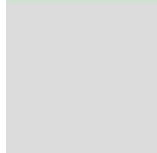
## Original Color

72.2548, 0.2879, 0.3476



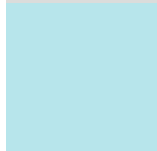
## Protanomaly

71.7664, 0.3107, 0.3424



## Deuteranomaly

71.3609, 0.3127, 0.3301



## Tritanomaly

72.1041, 0.2794, 0.3221

# Monochromacy



## Original Color

72.2548, 0.2879, 0.3476



## Achromatopsia

67.2443, 0.3127, 0.3290



## Achromatomaly

69.0367, 0.3026, 0.3358

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.2548, 0.2879, 0.3476 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(179, 232, 216)` looks like.

```
.text, #text, p{  
    color:rgb(179, 232, 216)  
}
```

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(179, 232, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 232, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 72.2548, 0.2879, 0.3476 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(179, 232, 216) }
```

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

```
.border{ border-color:rgb(179, 232, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 232, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 232, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 232, 216); box-shadow:4px 4px 4px 4px rgb(179, 232, 216) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 72.2548, 0.2879, 0.3476$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 232, 216) }
```

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

```
.background{ background-color: rgb(179,  
232, 216) }
```

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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