

# Converting Colors

$Yxy(72.0870, 0.2981, 0.3782)$

Have a look what the booklet for  
Yxy(72.0870, 0.2981, 0.3782)  
contains.

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# Color

**Yxy(72.3104, 0.2976, 0.3782)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEEBC2
RGB	174, 235, 194
RGB Percent	68%, 92%, 76%
CMY	0.3176, 0.0784, 0.2393
CMYK	0.26, 0.00, 0.17, 0.08
HSL	140°, 60%, 80%
HSV	140°, 26%, 92%
XYZ	56.9000, 72.3104, 61.9858
YIQ	212.0870, -23.1950, -25.6830

# Conversions

## Conversions Part 2

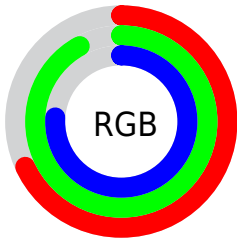
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 220, 235
Decimal	11463618
CIELab	88.12, -27.38, 13.76
CIELCh	88, 30.644, 153.328
Yxy	72.3104, 0.2976, 0.3782
Android (android.graphics.Color)	4289653698 (0xFFAEBC2)
YUV	212.0870, -8.9169, -33.4023
Hunter-Lab	85.0355, -29.3721, 16.3060

# Details

The Yxy color **72.3104, 0.2976, 0.3782** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **52.8442, 0.3320, 0.2845**, and the grayscale version is **65.9722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3080, 0.2998, 0.3329**, and **38.1267, 0.2937, 0.3915** is the 20% darker color. If you saturate the color by 10%, you get **69.1735, 0.2923, 0.4010**, and if you desaturate by 10%, it is **76.0011, 0.3033, 0.3575**.

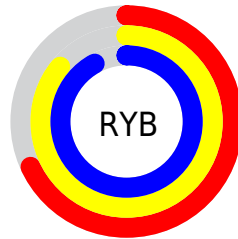
# Distribution



Red (68%)

Green (92%)

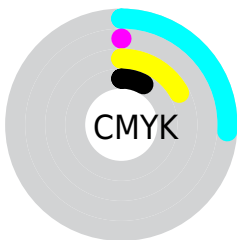
Blue (76%)



Red (68%)

Yellow (86%)

Blue (92%)

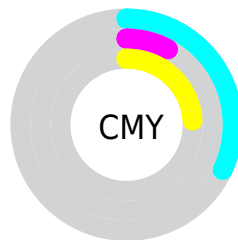


Cyan (26%)

Magenta (0%)

Yellow (17%)

Black (8%)



Cyan (32%)

Magenta (8%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.3104, 0.2976, 0.3782 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 72.3104, 0.2976, 0.3782 by changing the saturation by 10% instead.




 72.3104, 0.2976,  
0.3782

 72.3104, 0.2976,  
0.3782


468.6213, 0.3050,  
0.3546

 53.4123, 0.2958,  
0.3838

 122.4977, 0.3003,  
0.3698

 38.1320, 0.2935,  
0.3909


154.5557, 0.3013,  
0.3666

 26.0851, 0.2906,  
0.4000


191.7692, 0.3021,  
0.3639

 16.8874, 0.2865,  
0.4122

234.5224, 0.3029,  
0.3615

 10.1542, 0.2807,  
0.4295

283.1998, 0.3035,  
0.3595

 5.5013, 0.2716,  
0.4557

338.1858, 0.3041,

 2.5443, 0.2559,

0.3576

0.4995

399.8649, 0.3046,  
0.3560

0.8987, 0.1686,  
0.8161

0.0000, 0.0000,  
0.0000

72.3104, 0.2976,  
0.3782

72.3104, 0.2976,  
0.3782

69.1735, 0.2923,  
0.4010

76.0011, 0.3033,  
0.3575

66.5543, 0.2878,  
0.4255


80.2615, 0.3092,  
0.3390

64.4266, 0.2844,  
0.4513


85.1181, 0.3151,  
0.3226


62.7580, 0.2823,  
0.4776

87.9001, 0.3136,  
0.3097

 61.5123, 0.2819,  
0.5032

 60.6474, 0.2833,  
0.5270

 60.1115, 0.2862,  
0.5479

 59.9555, 0.2876,  
0.5554

# Harmonies

## Analogous

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



72.3104, 0.3345, 0.3947



72.3104, 0.2976, 0.3782



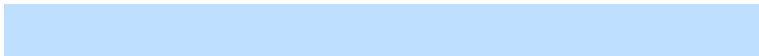
72.3104, 0.2661, 0.3460

# Triad

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



72.3104, 0.2976, 0.3782



72.3104, 0.2594, 0.2697



72.3104, 0.3828, 0.3410

# Complementary

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



72.3104, 0.2976, 0.3782



52.8442, 0.3320, 0.2845

# 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.



72.3104, 0.3603, 0.3110



72.3104, 0.2976, 0.3782



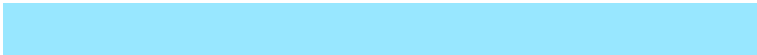
72.3104, 0.2880, 0.2713

# Square

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



72.3104, 0.2976, 0.3782



72.3104, 0.2451, 0.2831



72.3104, 0.3249, 0.2862



72.3104, 0.3849, 0.3699



# Rectangle

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



72.3104, 0.2976, 0.3782



72.3104, 0.2519, 0.3218



72.3104, 0.3249, 0.2862



72.3104, 0.3773, 0.3308

# Sweetspot

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



72.3134, 0.2976, 0.3782



95.4819, 0.3080, 0.3427



77.0278, 0.3379, 0.3969



20.2663, 0.3071, 0.3454



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

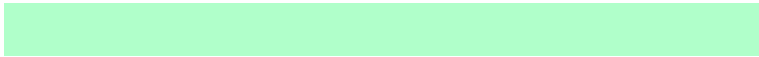


# Same Dimension

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



72.3134, 0.2976, 0.3782



85.0010, 0.2948, 0.3897



73.7913, 0.2808, 0.3419



16.9435, 0.3071, 0.3453



33.3869, 0.2868, 0.5525



2.6388, 0.2790, 0.5246



# Inverse Universe

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



52.8442, 0.3320, 0.2845



57.9544, 0.3368, 0.2753



51.4472, 0.3580, 0.3166



15.2250, 0.3188, 0.3133



11.2288, 0.4249, 0.2114

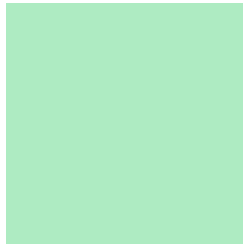


0.8993, 0.4069, 0.2015



# Previews

## White Background



This preview shows how the Yxy color 72.3104, 0.2976, 0.3782 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 72.3104, 0.2976, 0.3782 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

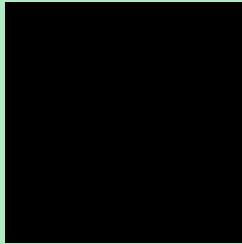
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

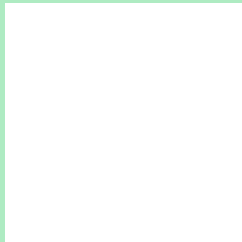
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.3104, 0.2976, 0.3782**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.3104, 0.2976, 0.3782.

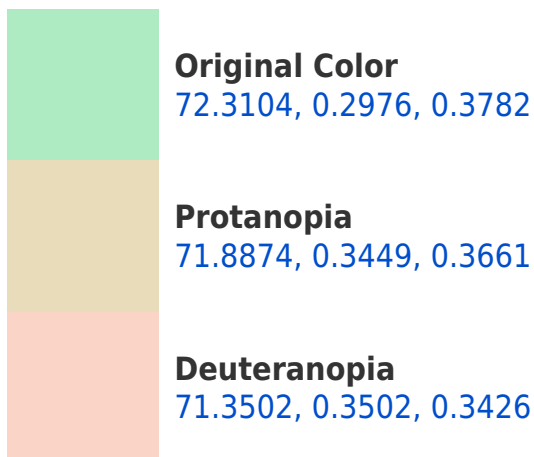


This preview shows how white text looks on a background with the Yxy color 72.3104, 0.2976, 0.3782.

# 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

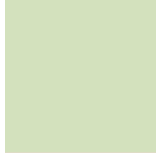
72.3310, 0.2738, 0.3088

# Trichromacy



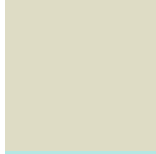
## Original Color

72.3104, 0.2976, 0.3782



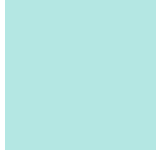
## Protanomaly

71.3734, 0.3264, 0.3699



## Deuteranomaly

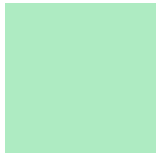
70.7472, 0.3297, 0.3545



## Tritanomaly

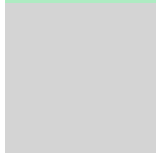
72.4012, 0.2822, 0.3335

# Monochromacy



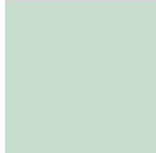
## Original Color

72.3104, 0.2976, 0.3782



## Achromatopsia

65.8375, 0.3127, 0.3290



## Achromatomaly

67.5999, 0.3070, 0.3464

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  72.3104, 0.2976, 0.3782 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, 235, 194)` looks like.

```
.text, #text, p{  
    color:rgb(174, 235, 194)  
}
```

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, 235, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 235, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 72.3104, 0.2976, 0.3782 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, 235, 194) }
```

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

```
.border{ border-color:rgb(174, 235, 194) }
```

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

Here you see how a box with a 4 pixel rgb(174, 235, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 235, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 235, 194);  
box-shadow:4px 4px 4px 4px rgb(174, 235,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.3104, 0.2976, 0.3782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 235, 194) }
```

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

```
.background{ background-color: rgb(174,  
235, 194) }
```

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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