

# Converting Colors

$Yxy(72.7604, 0.3035, 0.3989)$

Have a look what the booklet for  
Yxy(72.7604, 0.3035, 0.3989)  
contains.

<b>Yxy(73.1023, 0.3038, 0.3993)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(73.1023, 0.3038, 0.3993)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABEEB4
RGB	171, 238, 180
RGB Percent	67%, 93%, 71%
CMY	0.3291, 0.0667, 0.2941
CMYK	0.28, 0.00, 0.24, 0.07
HSL	128°, 66%, 80%
HSV	128°, 28%, 93%
XYZ	55.6185, 73.1023, 54.3553
YIQ	211.3550, -21.3140, -32.2420

# Conversions

## Conversions Part 2

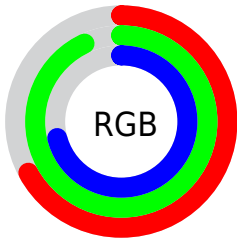
<b>Format</b>	<b>Color</b>
<b>RYB</b>	171, 230, 238
Decimal	11267764
CIELab	88.50, -32.20, 21.51
CIELCh	88, 38.726, 146.259
Yxy	73.1023, 0.3038, 0.3993
Android (android.graphics.Color)	4289457844 (0xFFABEEB4)
YUV	211.3550, -15.4580, -35.3913
Hunter-Lab	85.4999, -33.5088, 22.1572

# Details

The Yxy color **73.1023, 0.3038, 0.3993** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **52.9904, 0.3231, 0.2676**, and the grayscale version is **65.5140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0701, 0.3069, 0.3483**, and **38.7701, 0.3007, 0.4180** is the 20% darker color. If you saturate the color by 10%, you get **69.8886, 0.3008, 0.4295**, and if you desaturate by 10%, it is **76.9285, 0.3070, 0.3716**.

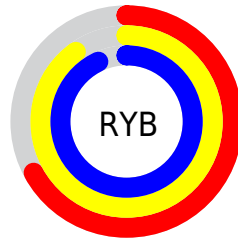
# Distribution



Red (67%)

Green (93%)

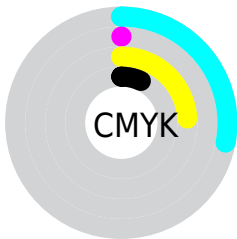
Blue (71%)



Red (67%)

Yellow (90%)

Blue (93%)

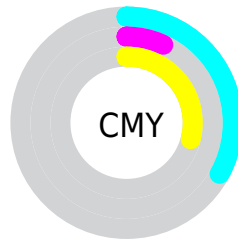


Cyan (28%)

Magenta (0%)

Yellow (24%)

Black (7%)



Cyan (33%)

Magenta (7%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.1023, 0.3038, 0.3993 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 73.1023, 0.3038, 0.3993 by changing the saturation by 10% instead.



 73.1023, 0.3038,  
0.3993

 73.1023, 0.3038,  
0.3993

471.3693, 0.3087,  
0.3653

 54.0596, 0.3025,  
0.4074


 123.6224, 0.3057,  
0.3872

 38.6493, 0.3007,  
0.4177


155.8687, 0.3063,  
0.3826

 26.4870, 0.2983,  
0.4309


193.2849, 0.3069,  
0.3786

 17.1883, 0.2948,  
0.4488

236.2554, 0.3074,  
0.3752

 10.3689, 0.2894,  
0.4740

285.1648, 0.3078,  
0.3723

 5.6442, 0.2803,  
0.5119


340.3973, 0.3081,

 2.6300, 0.2637,


0.3697


0.5770


402.3373, 0.3084,  
0.3674


 0.9418, 0.1028,  
0.8972


 0.0000, 0.0000,  
0.0000

 73.1023, 0.3038,  
0.3993

 73.1023, 0.3038,  
0.3993


 69.8886, 0.3008,  
0.4295

 76.9285, 0.3070,  
0.3716


 67.2468, 0.2982,  
0.4615

 81.3870, 0.3102,  
0.3469

 65.1458, 0.2962,  
0.4939

 86.5080, 0.3133,  
0.3251

 63.5478, 0.2950,  
0.5248

 89.6241, 0.3135,  
0.3127

■ 62.4101, 0.2949,  
0.5522

■ 61.6828, 0.2957,  
0.5740

■ 61.2980, 0.2973,  
0.5890

■ 61.2469, 0.2975,  
0.5911

# Harmonies

## Analogous

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



73.1023, 0.3498, 0.4134



73.1023, 0.3038, 0.3993



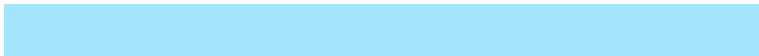
73.1023, 0.2622, 0.3610

# Triad

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



73.1023, 0.3038, 0.3993



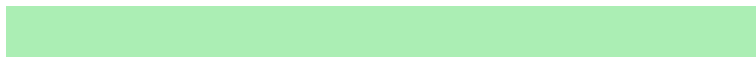
73.1023, 0.2406, 0.2574



73.1023, 0.3966, 0.3339

# Complementary

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



73.1023, 0.3038, 0.3993



52.9904, 0.3231, 0.2676

# 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.



73.1023, 0.3630, 0.2983



73.1023, 0.3038, 0.3993



73.1023, 0.2718, 0.2557

# Square

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



73.1023, 0.3038, 0.3993



73.1023, 0.2277, 0.2775



73.1023, 0.3163, 0.2705



73.1023, 0.4055, 0.3709



# Rectangle

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



73.1023, 0.3038, 0.3993



73.1023, 0.2421, 0.3299



73.1023, 0.3163, 0.2705



73.1023, 0.3878, 0.3216

# Sweetspot

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



73.1054, 0.3038, 0.3993



95.2473, 0.3102, 0.3467



80.9407, 0.3496, 0.4006



20.2076, 0.3097, 0.3502



0.0000, 0.0000, 0.0000

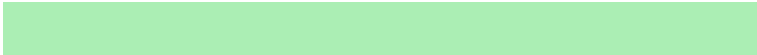


21.4041, 0.3127, 0.3290

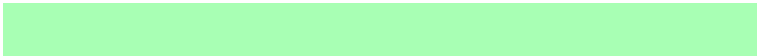


# Same Dimension

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



73.1054, 0.3038, 0.3993



83.1674, 0.3020, 0.4172



74.5809, 0.2856, 0.3591



17.6907, 0.3097, 0.3501



34.1830, 0.2971, 0.5895



2.8544, 0.2918, 0.5705



# Inverse Universe

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



52.9904, 0.3231, 0.2676



55.8739, 0.3258, 0.2545



51.3480, 0.3509, 0.3009



15.9930, 0.3158, 0.3088



12.6484, 0.3577, 0.1744

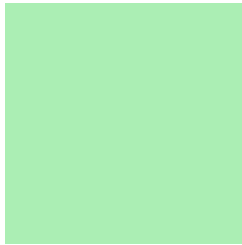


1.0622, 0.3521, 0.1714



# Previews

## White Background



This preview shows how the Yxy color 73.1023, 0.3038, 0.3993 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 73.1023, 0.3038, 0.3993 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

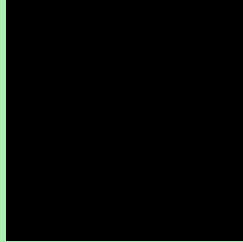
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.1023, 0.3038, 0.3993**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.1023, 0.3038, 0.3993.

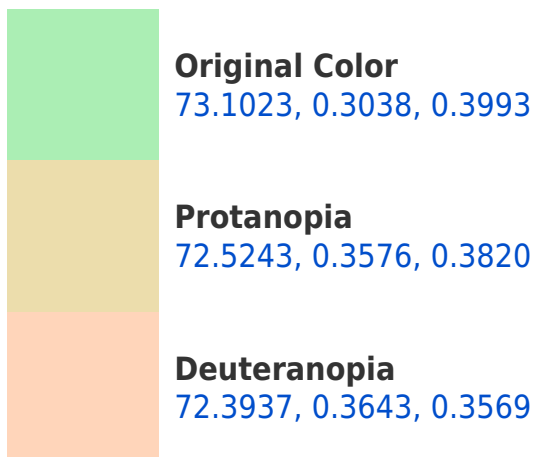


This preview shows how white text looks on a background with the Yxy color 73.1023, 0.3038, 0.3993.

# 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

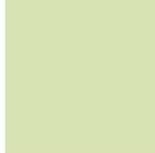
72.9444, 0.2734, 0.3088

# Trichromacy



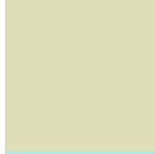
## Original Color

73.1023, 0.3038, 0.3993



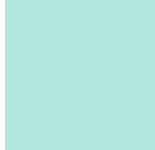
## Protanomaly

72.0304, 0.3360, 0.3882



## Deuteranomaly

71.5505, 0.3399, 0.3712



## Tritanomaly

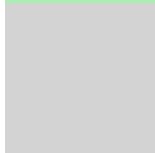
72.6246, 0.2839, 0.3393

# Monochromacy



## Original Color

73.1023, 0.3038, 0.3993



## Achromatopsia

65.1406, 0.3127, 0.3290



## Achromatomaly

67.6188, 0.3087, 0.3536

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.1023, 0.3038, 0.3993 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, 238, 180)` looks like.

```
.text, #text, p{  
    color:rgb(171, 238, 180)  
}
```

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, 238, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 238, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 73.1023, 0.3038, 0.3993 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, 238, 180) }
```

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

```
.border{ border-color:rgb(171, 238, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 238, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 238, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 238, 180); box-shadow:4px 4px 4px 4px rgb(171, 238, 180) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.1023, 0.3038, 0.3993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 238, 180) }
```

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

```
.background{ background-color: rgb(171,  
238, 180) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor