

# Converting Colors

$Yxy(71.2169, 0.3082, 0.4016)$

Have a look what the booklet for  
Yxy(71.2169, 0.3082, 0.4016)  
contains.

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# Color

**Yxy(71.3960, 0.3080, 0.4022)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADEBAF
RGB	173, 235, 175
RGB Percent	68%, 92%, 69%
CMY	0.3216, 0.0784, 0.3138
CMYK	0.26, 0.00, 0.26, 0.08
HSL	122°, 61%, 80%
HSV	122°, 26%, 92%
XYZ	54.6742, 71.3960, 51.4435
YIQ	209.6220, -17.6920, -31.8040

# Conversions

## Conversions Part 2

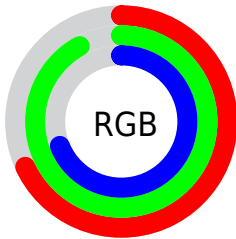
Format	Color
<a href="#">RYB</a>	<a href="#">173, 233, 235</a>
Decimal	<a href="#">11398063</a>
CIELab	<a href="#">87.68, -31.05, 22.98</a>
CIELCh	<a href="#">88, 38.632, 143.493</a>
Yxy	<a href="#">71.3960, 0.3080, 0.4022</a>
Android (android.graphics.Color)	<a href="#">4289588143 (0xFFADEFBAF)</a>
YUV	<a href="#">209.6220, -17.0686, -32.1175</a>
Hunter-Lab	<a href="#">84.4962, -32.3678, 23.0500</a>

# Details

The Yxy color **71.3960, 0.3080, 0.4022** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **53.4273, 0.3174, 0.2653**, and the grayscale version is **64.3084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1125, 0.3110, 0.3534**, and **37.5673, 0.3060, 0.4219** is the 20% darker color. If you saturate the color by 10%, you get **68.1322, 0.3060, 0.4355**, and if you desaturate by 10%, it is **75.2876, 0.3099, 0.3717**.

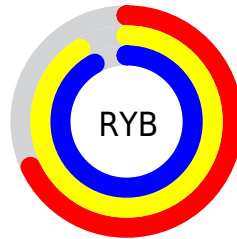
# Distribution



Red (68%)

Green (92%)

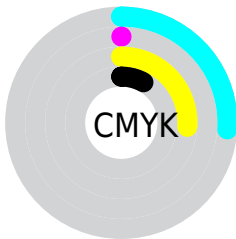
Blue (69%)



Red (68%)

Yellow (91%)

Blue (92%)

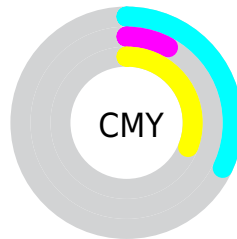


Cyan (26%)

Magenta (0%)

Yellow (26%)

Black (8%)



Cyan (32%)

Magenta (8%)

Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.3960, 0.3080, 0.4022 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 71.3960, 0.3080, 0.4022 by changing the saturation by 10% instead.





 71.3960, 0.3080,  
0.4022

 71.3960, 0.3080,  
0.4022

465.4366, 0.3110,  
0.3666

 52.6654, 0.3071,  
0.4107


 121.1974, 0.3092,  
0.3895

 37.5357, 0.3058,  
0.4215


153.0370, 0.3097,  
0.3847

 25.6226, 0.3040,  
0.4355


190.0151, 0.3100,  
0.3806

 16.5415, 0.3012,  
0.4543

232.5161, 0.3103,  
0.3770

 9.9081, 0.2967,  
0.4809

280.9243, 0.3105,  
0.3739

 5.3381, 0.2885,  
0.5212

335.6242, 0.3107,

 2.4470, 0.2755,

0.3712

0.5967

397.0002, 0.3109,  
0.3688

0.8499, 0.0553,  
0.9447

0.0000, 0.0000,  
0.0000

71.3960, 0.3080,  
0.4022

71.3960, 0.3080,  
0.4022

68.1322, 0.3060,  
0.4355

75.2876, 0.3099,  
0.3717

65.4548, 0.3041,  
0.4705

79.8277, 0.3117,  
0.3446

63.3317, 0.3024,  
0.5055

85.0474, 0.3133,  
0.3208

61.7242, 0.3010,  
0.5380

87.9029, 0.3136,  
0.3097

■ 60.5882, 0.3000,  
0.5652

■ 59.8728, 0.2996,  
0.5850

■ 59.5143, 0.2996,  
0.5962

■ 59.4395, 0.2996,  
0.5985

# Harmonies

## Analogous

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



71.3960, 0.3540, 0.4138



71.3960, 0.3080, 0.4022



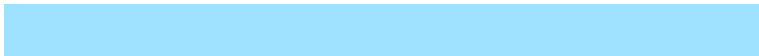
71.3960, 0.2653, 0.3654

# Triad

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



71.3960, 0.3080, 0.4022



71.3960, 0.2382, 0.2581



71.3960, 0.3949, 0.3305

# Complementary

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



71.3960, 0.3080, 0.4022



53.4273, 0.3174, 0.2653

# 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.



71.3960, 0.3592, 0.2952



71.3960, 0.3080, 0.4022



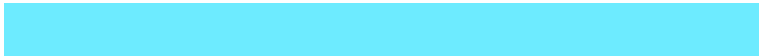
71.3960, 0.2681, 0.2548

# Square

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



71.3960, 0.3080, 0.4022



71.3960, 0.2271, 0.2800



71.3960, 0.3119, 0.2683



71.3960, 0.4063, 0.3678



# Rectangle

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



71.3960, 0.3080, 0.4022



71.3960, 0.2441, 0.3342



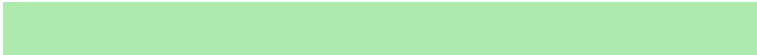
71.3960, 0.3119, 0.2683



71.3960, 0.3852, 0.3182

# Sweetspot

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



71.3990, 0.3080, 0.4022



95.1272, 0.3114, 0.3488



79.9278, 0.3518, 0.3951



20.1776, 0.3111, 0.3528



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

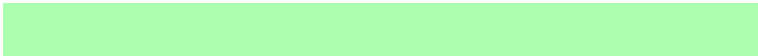


# Same Dimension

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



71.3990, 0.3080, 0.4022



83.5856, 0.3069, 0.4210



72.7140, 0.2906, 0.3646



16.8700, 0.3111, 0.3526



33.0809, 0.2994, 0.5979



2.6004, 0.2978, 0.5923



# Inverse Universe

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



53.4273, 0.3174, 0.2653



58.3527, 0.3185, 0.2515



51.8533, 0.3424, 0.2960



15.3049, 0.3143, 0.3065



12.9337, 0.3291, 0.1587

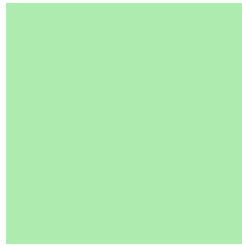


1.0182, 0.3279, 0.1580



# Previews

## White Background



This preview shows how the Yxy color 71.3960, 0.3080, 0.4022 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 71.3960, 0.3080, 0.4022 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

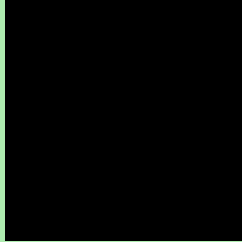
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.3960, 0.3080, 0.4022**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.3960, 0.3080, 0.4022.

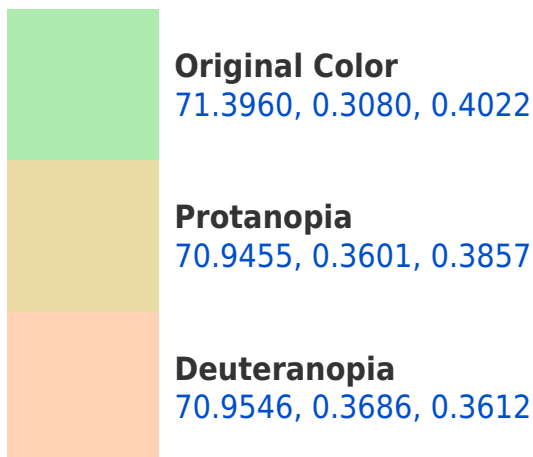


This preview shows how white text looks on a background with the Yxy color 71.3960, 0.3080, 0.4022.

# 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

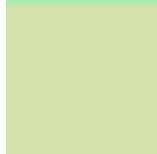
71.2387, 0.2753, 0.3087

# Trichromacy



## Original Color

71.3960, 0.3080, 0.4022



## Protanomaly

70.7498, 0.3397, 0.3919



## Deuteranomaly

70.4083, 0.3452, 0.3757



## Tritanomaly

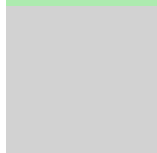
70.9769, 0.2872, 0.3406

# Monochromacy



## Original Color

71.3960, 0.3080, 0.4022



## Achromatopsia

64.4480, 0.3127, 0.3290



## Achromatomaly

66.5646, 0.3115, 0.3548

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.3960, 0.3080, 0.4022 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(173, 235, 175)` looks like.

```
.text, #text, p{  
    color:rgb(173, 235, 175)  
}
```

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(173, 235, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 235, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 71.3960, 0.3080, 0.4022 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(173, 235, 175) }
```

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

```
.border{ border-color:rgb(173, 235, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 235, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 235, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 235, 175);  
box-shadow:4px 4px 4px 4px rgb(173, 235,  
175) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.3960, 0.3080, 0.4022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 235, 175) }
```

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

```
.background{ background-color: rgb(173,  
235, 175) }
```

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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