

# Converting Colors

$Yxy(73.3821, 0.3170, 0.3933)$

Have a look what the booklet for  
Yxy(73.3821, 0.3170, 0.3933)  
contains.

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# Color

**Yxy(73.2173, 0.3170, 0.3925)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFEAB4
RGB	191, 234, 180
RGB Percent	75%, 92%, 71%
CMY	0.2512, 0.0823, 0.2942
CMYK	0.18, 0.00, 0.23, 0.08
HSL	108°, 56%, 81%
HSV	108°, 23%, 92%
XYZ	59.1335, 73.2173, 54.1901
YIQ	214.9870, -8.2940, -25.9100

# Conversions

## Conversions Part 2

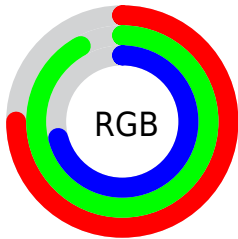
Format	Color
<b>RYB</b>	180, 234, 223
Decimal	12577460
CIELab	88.55, -23.81, 21.77
CIELCh	89, 32.258, 137.567
Yxy	73.2173, 0.3170, 0.3925
Android (android.graphics.Color)	4290767540 (0xFFBFEAB4)
YUV	214.9870, -17.2486, -21.0366
Hunter-Lab	85.5671, -26.3852, 22.3483

# Details

The Yxy color **73.2173, 0.3170, 0.3925** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **54.2814, 0.3066, 0.2701**, and the grayscale version is **68.0623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5326, 0.3194, 0.3476**, and **38.6915, 0.3174, 0.4085** is the 20% darker color. If you saturate the color by 10%, you get **70.0794, 0.3183, 0.4245**, and if you desaturate by 10%, it is **76.8308, 0.3153, 0.3631**.

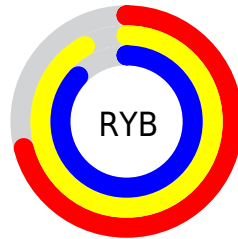
# Distribution



Red (75%)

Green (92%)

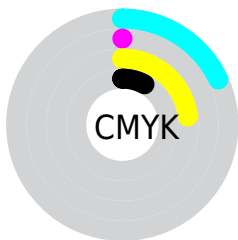
Blue (71%)



Red (71%)

Yellow (92%)

Blue (87%)

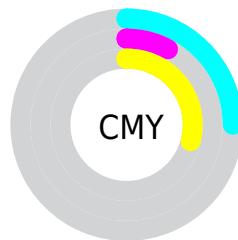


Cyan (18%)

Magenta (0%)

Yellow (23%)

Black (8%)



Cyan (25%)

Magenta (8%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.2173, 0.3170, 0.3925 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 73.2173, 0.3170, 0.3925 by changing the saturation by 10% instead.



 73.2173, 0.3170,  
0.3925

 73.2173, 0.3170,  
0.3925


471.7676, 0.3156,  
0.3620

 54.1537, 0.3171,  
0.3997


 123.7856, 0.3167,  
0.3817

 38.7245, 0.3172,  
0.4088


156.0591, 0.3165,  
0.3776

 26.5455, 0.3172,  
0.4204


193.5047, 0.3163,  
0.3741

 17.2322, 0.3169,  
0.4360

236.5068, 0.3162,  
0.3710

 10.4002, 0.3159,  
0.4578

285.4497, 0.3160,  
0.3683

 5.6651, 0.3133,  
0.4903

340.7179, 0.3159,

 2.6425, 0.3073,

0.3660

0.5453

402.6957, 0.3157,  
0.3639

0.9481, 0.2515,  
0.7485

0.0000, 0.0000,  
0.0000

73.2173, 0.3170,  
0.3925

73.2173, 0.3170,  
0.3925

70.0794, 0.3183,  
0.4245

76.8308, 0.3153,  
0.3631

67.3880, 0.3190,  
0.4581

80.9289, 0.3133,  
0.3366

65.1252, 0.3189,  
0.4920

85.5323, 0.3113,  
0.3131

63.2682, 0.3178,  
0.5241

87.3377, 0.3137,  
0.3088

■ 61.7920, 0.3157,  
0.5523

■ 60.6685, 0.3126,  
0.5743

■ 59.8655, 0.3089,  
0.5888

■ 59.4715, 0.3063,  
0.5950

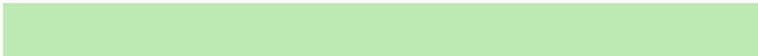
# Harmonies

## Analogous

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



73.2173, 0.3545, 0.3982



73.2173, 0.3170, 0.3925



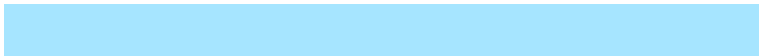
73.2173, 0.2799, 0.3660

# Triad

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



73.2173, 0.3170, 0.3925



73.2173, 0.2470, 0.2723



73.2173, 0.3761, 0.3246

# Complementary

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



73.2173, 0.3170, 0.3925



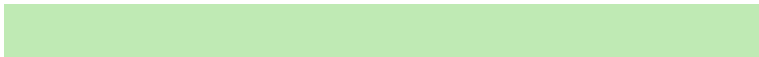
54.2814, 0.3066, 0.2701

# 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.



73.2173, 0.3440, 0.2955



73.2173, 0.3170, 0.3925



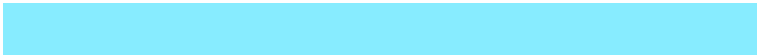
73.2173, 0.2695, 0.2660

# Square

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



73.2173, 0.3170, 0.3925



73.2173, 0.2410, 0.2942



73.2173, 0.3046, 0.2746



73.2173, 0.3901, 0.3563



# Rectangle

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



73.2173, 0.3170, 0.3925



73.2173, 0.2601, 0.3413



73.2173, 0.3046, 0.2746



73.2173, 0.3670, 0.3144

# Sweetspot

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



73.2204, 0.3170, 0.3925



96.3026, 0.3141, 0.3467



73.2009, 0.3502, 0.3748



20.5475, 0.3143, 0.3483



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

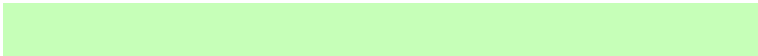


# Same Dimension

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



73.2204, 0.3170, 0.3925



86.9778, 0.3177, 0.4083



72.5137, 0.3006, 0.3750



17.0090, 0.3146, 0.3531



33.4552, 0.3071, 0.5944



2.6667, 0.3159, 0.5874



# Inverse Universe

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



54.2814, 0.3066, 0.2701



59.9550, 0.3049, 0.2566



55.2345, 0.3275, 0.2871



15.1508, 0.3106, 0.3056



9.3022, 0.2702, 0.1262



0.7694, 0.2776, 0.1303



# Previews

## White Background



This preview shows how the Yxy color 73.2173, 0.3170, 0.3925 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 73.2173, 0.3170, 0.3925 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

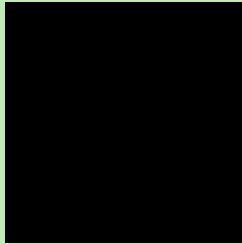
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

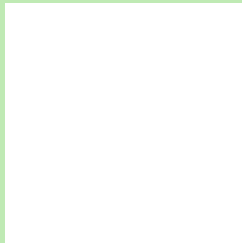
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.2173, 0.3170, 0.3925**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.2173, 0.3170, 0.3925.

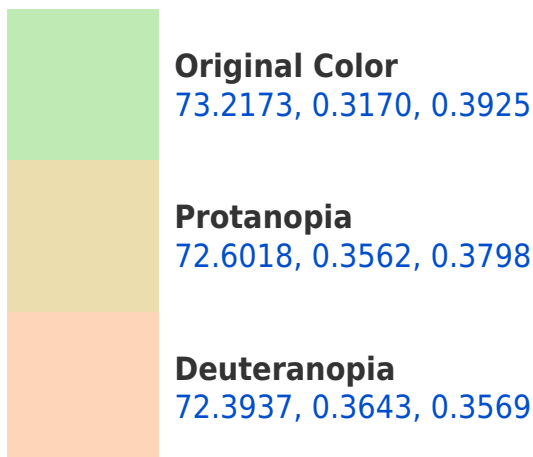


This preview shows how white text looks on a background with the Yxy color 73.2173, 0.3170, 0.3925.

# 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

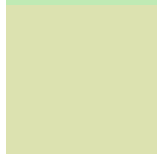
73.2813, 0.2857, 0.3103

# Trichromacy



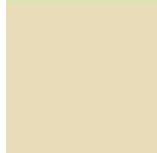
## Original Color

73.2173, 0.3170, 0.3925



## Protanomaly

72.7429, 0.3415, 0.3849



## Deuteranomaly

72.3294, 0.3461, 0.3693



## Tritanomaly

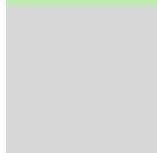
73.0762, 0.2968, 0.3391

# Monochromacy



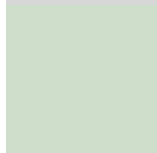
## Original Color

73.2173, 0.3170, 0.3925



## Achromatopsia

67.9542, 0.3127, 0.3290



## Achromatomaly

69.6286, 0.3145, 0.3518

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.2173, 0.3170, 0.3925 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(191, 234, 180)` looks like.

```
.text, #text, p{  
    color:rgb(191, 234, 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(191, 234, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 234, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 73.2173, 0.3170, 0.3925 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(191, 234, 180) }
```

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

```
.border{ border-color:rgb(191, 234, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 234, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 234, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 234, 180); box-shadow:4px 4px 4px 4px rgb(191, 234, 180) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.2173, 0.3170, 0.3925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 234, 180) }
```

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

```
.background{ background-color: rgb(191,  
234, 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](#).

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