

# Converting Colors

$Yxy(73.4731, 0.2987, 0.3906)$

Have a look what the booklet for  
Yxy(73.4731, 0.2987, 0.3906)  
contains.

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# Color

**Yxy(73.2830, 0.2991, 0.3906)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAEEBB
RGB	170, 238, 187
RGB Percent	67%, 93%, 73%
CMY	0.3335, 0.0666, 0.2665
CMYK	0.29, 0.00, 0.21, 0.07
HSL	135°, 67%, 80%
HSV	135°, 29%, 93%
XYZ	56.1161, 73.2830, 58.2174
YIQ	211.8540, -24.1570, -30.2770

# Conversions

## Conversions Part 2

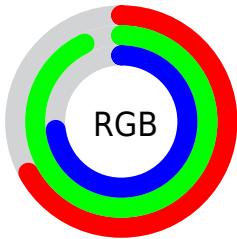
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">170, 224, 238</a>
Decimal	<a href="#">11202235</a>
CIELab	<a href="#">88.58, -31.33, 17.99</a>
CIElCh	<a href="#">89, 36.127, 150.141</a>
Yxy	<a href="#">73.2830, 0.2991, 0.3906</a>
Android (android.graphics.Color)	<a href="#">4289392315 (0xFFAAEEBB)</a>
YUV	<a href="#">211.8540, -12.2530, -36.7060</a>
Hunter-Lab	<a href="#">85.6055, -32.7993, 19.6027</a>

# Details

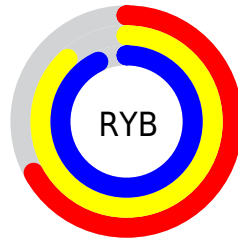
The Yxy color **73.2830, 0.2991, 0.3906** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **52.1271, 0.3300, 0.2745**, and the grayscale version is **65.8277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3220, 0.3024, 0.3411**, and **38.8901, 0.2950, 0.4064** is the 20% darker color. If you saturate the color by 10%, you get **70.1532, 0.2949, 0.4167**, and if you desaturate by 10%, it is **76.9939, 0.3037, 0.3668**.

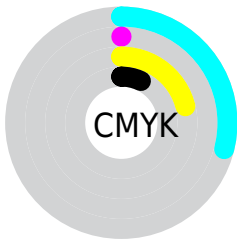
# Distribution



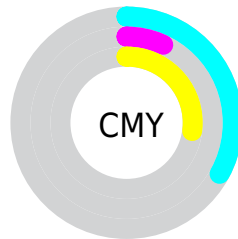
- Red (67%)
- Green (93%)
- Blue (73%)



- Red (67%)
- Yellow (88%)
- Blue (93%)



- Cyan (29%)
- Magenta (0%)
- Yellow (21%)
- Black (7%)




- Cyan (33%)
- Magenta (7%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.2830, 0.2991, 0.3906 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 73.2830, 0.2991, 0.3906 by changing the saturation by 10% instead.





 73.2830, 0.2991,  
0.3906

 73.2830, 0.2991,  
0.3906

471.9951, 0.3060,  
0.3609

 54.2074, 0.2974,  
0.3977


 123.8789, 0.3016,  
0.3801

 38.7675, 0.2951,  
0.4066


156.1680, 0.3026,  
0.3760

 26.5789, 0.2922,  
0.4181


193.6303, 0.3034,  
0.3726

 17.2572, 0.2881,  
0.4336

236.6503, 0.3040,  
0.3696

 10.4181, 0.2820,  
0.4555

285.6124, 0.3046,  
0.3670

 5.6770, 0.2723,  
0.4886


340.9010, 0.3051,

 2.6497, 0.2546,


0.3647

0.5437


402.9004, 0.3056,  
0.3627


 0.9517, 0.1268,  
0.8732


 0.0000, 0.0000,  
0.0000


 73.2830, 0.2991,  
0.3906

 73.2830, 0.2991,  
0.3906


 70.1532, 0.2949,  
0.4167

 76.9939, 0.3037,  
0.3668


 67.5659, 0.2913,  
0.4446

 81.3038, 0.3086,  
0.3454

 65.4921, 0.2887,  
0.4733

 86.2415, 0.3134,  
0.3265

 63.8963, 0.2874,  
0.5018

 89.6363, 0.3135,  
0.3127

■ 62.7384, 0.2876,  
0.5285

■ 61.9714, 0.2892,  
0.5518

■ 61.5283, 0.2921,  
0.5706

■ 61.4797, 0.2925,  
0.5729

# Harmonies

## Analogous

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



73.2830, 0.3422, 0.4072



73.2830, 0.2991, 0.3906



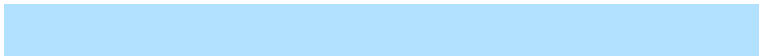
73.2830, 0.2614, 0.3533

# Triad

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



73.2830, 0.2991, 0.3906



73.2830, 0.2480, 0.2608



73.2830, 0.3934, 0.3385

# Complementary

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



73.2830, 0.2991, 0.3906



52.1271, 0.3300, 0.2745

# 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.



73.2830, 0.3646, 0.3044



73.2830, 0.2991, 0.3906



73.2830, 0.2795, 0.2612

# Square

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



73.2830, 0.2991, 0.3906



73.2830, 0.2335, 0.2776



73.2830, 0.3220, 0.2769

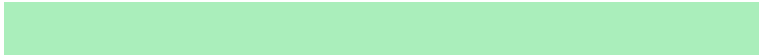


73.2830, 0.3984, 0.3727



# Rectangle

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



73.2830, 0.2991, 0.3906



73.2830, 0.2439, 0.3245



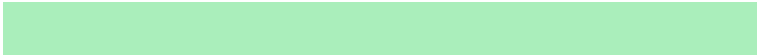
73.2830, 0.3220, 0.2769



73.2830, 0.3861, 0.3268

# Sweetspot

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



73.2861, 0.2991, 0.3906



94.8460, 0.3084, 0.3463



79.4284, 0.3437, 0.4035



20.1348, 0.3076, 0.3493



0.0000, 0.0000, 0.0000

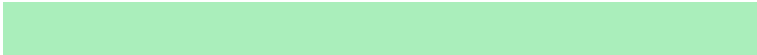


21.4041, 0.3127, 0.3290

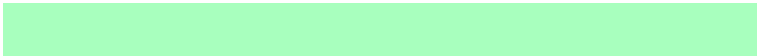


# Same Dimension

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



73.2861, 0.2991, 0.3906



83.5980, 0.2967, 0.4048



74.9172, 0.2802, 0.3488



17.7215, 0.3081, 0.3472



34.3129, 0.2918, 0.5704



2.8700, 0.2848, 0.5454



# Inverse Universe

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



52.1271, 0.3300, 0.2745



55.2732, 0.3342, 0.2638



50.4967, 0.3600, 0.3103



15.9597, 0.3176, 0.3115



11.9623, 0.3966, 0.1958

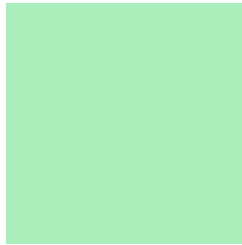


1.0110, 0.3844, 0.1891



# Previews

## White Background



This preview shows how the Yxy color 73.2830, 0.2991, 0.3906 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 73.2830, 0.2991, 0.3906 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

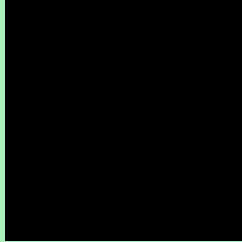
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.2830, 0.2991, 0.3906**

## Background



This preview shows how black text looks on a background with the Yxy color 73.2830, 0.2991, 0.3906.

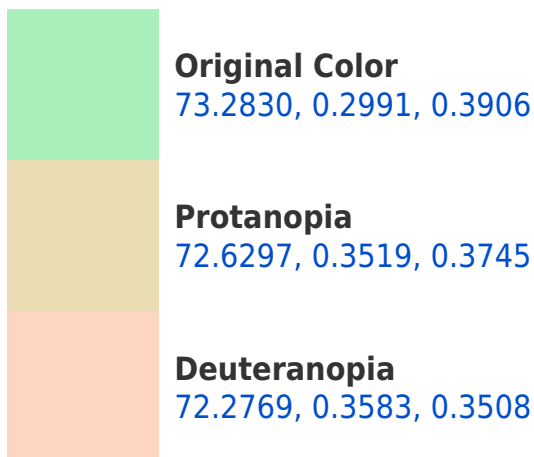


This preview shows how white text looks on a background with the Yxy color 73.2830, 0.2991, 0.3906.

# 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

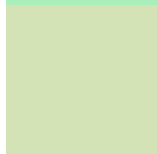
73.3160, 0.2718, 0.3088

# Trichromacy



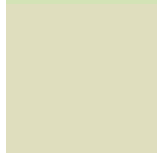
## Original Color

73.2830, 0.2991, 0.3906



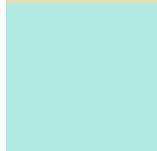
## Protanomaly

72.1645, 0.3307, 0.3802



## Deuteranomaly

71.6482, 0.3350, 0.3645



## Tritanomaly

73.2338, 0.2817, 0.3370

# Monochromacy



## Original Color

73.2830, 0.2991, 0.3906



## Achromatopsia

65.8375, 0.3127, 0.3290



## Achromatomaly

67.8950, 0.3075, 0.3499

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.2830, 0.2991, 0.3906 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(170, 238, 187)` looks like.

```
.text, #text, p{  
    color:rgb(170, 238, 187)  
}
```

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(170, 238, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 238, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 73.2830, 0.2991, 0.3906 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(170, 238, 187) }
```

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

```
.border{ border-color:rgb(170, 238, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 238, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 238, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 238, 187);  
box-shadow:4px 4px 4px 4px rgb(170, 238,  
187) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.2830, 0.2991, 0.3906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 238, 187) }
```

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

```
.background{ background-color: rgb(170,  
238, 187) }
```

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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