

Converting Colors

$Yxy(73.7063, 0.2916, 0.3729)$

Have a look what the booklet for
Yxy(73.7063, 0.2916, 0.3729)
contains.

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Color

Yxy(73.9122, 0.2913, 0.3731)

Conversions

Conversions Part 1

Format	Color
Hex	AAEEC9
RGB	170, 238, 201
RGB Percent	67%, 93%, 79%
CMY	0.3330, 0.0667, 0.2118
CMYK	0.29, 0.00, 0.16, 0.07
HSL	147°, 67%, 80%
HSV	147°, 29%, 93%
XYZ	57.7074, 73.9122, 66.4833
YIQ	213.4500, -28.6510, -25.9230

Conversions

Conversions Part 2

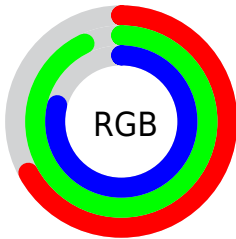
Format	Color
RYB	170, 217, 238
Decimal	11202249
CIELab	88.88, -28.69, 11.16
CIELCh	89, 30.782, 158.752
Yxy	73.9122, 0.2913, 0.3731
Android (android.graphics.Color)	4289392329 (0xFFAAEEC9)
YUV	213.4500, -6.1378, -38.1056
Hunter-Lab	85.9722, -30.6363, 14.3309

Details

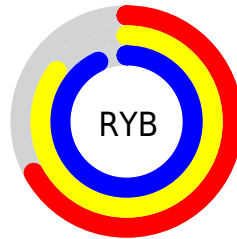
The Yxy color **73.9122, 0.2913, 0.3731** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **51.4634, 0.3419, 0.2888**, and the grayscale version is **66.9251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **39.2755, 0.2859, 0.3846** is the 20% darker color. If you saturate the color by 10%, you get **70.9125, 0.2848, 0.3917**, and if you desaturate by 10%, it is **77.4497, 0.2985, 0.3561**.

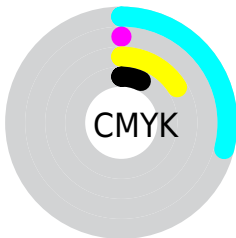
Distribution



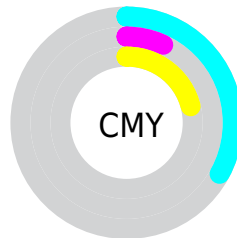
- Red (67%)
- Green (93%)
- Blue (79%)



- Red (67%)
- Yellow (85%)
- Blue (93%)



- Cyan (29%)
- Magenta (0%)
- Yellow (16%)
- Black (7%)




- Cyan (33%)
- Magenta (7%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.9122, 0.2913, 0.3731 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 73.9122, 0.2913, 0.3731 by changing the saturation by 10% instead.


 73.9122, 0.2913,
0.3731

 73.9122, 0.2913,
0.3731


474.1703, 0.3015,
0.3521

 54.7222, 0.2889,
0.3781

 124.7713, 0.2949,
0.3657

 39.1793, 0.2859,
0.3843


157.2092, 0.2963,
0.3628

 26.8993, 0.2820,
0.3923

194.8319, 0.2975,
0.3604

 17.4976, 0.2768,
0.4030

238.0237, 0.2985,
0.3583

 10.5899, 0.2696,
0.4180

287.1691, 0.2994,
0.3564

 5.7918, 0.2587,
0.4406


342.6523, 0.3002,

 2.7189, 0.2407,


0.3548

0.4780


404.8580, 0.3009,
0.3534

 0.9868, 0.1549,
0.6529


 0.0000, 0.0000,
0.0000


 73.9122, 0.2913,
0.3731

 73.9122, 0.2913,
0.3731


 70.9125, 0.2848,
0.3917


 77.4497, 0.2985,
0.3561

 68.4142, 0.2793,
0.4117

 81.5410, 0.3061,
0.3408

 66.3907, 0.2751,
0.4327

 86.2127, 0.3139,
0.3271

 64.8091, 0.2727,
0.4543

 89.4855, 0.3148,
0.3147

■ 63.6321, 0.2721,
0.4757

■ 89.6231, 0.3135,
0.3127

■ 62.8158, 0.2736,
0.4964

■ 62.2971, 0.2768,
0.5156

■ 62.2336, 0.2773,
0.5183

Harmonies

Analogous

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



73.9122, 0.3278, 0.3930



73.9122, 0.2913, 0.3731



73.9122, 0.2617, 0.3393

Triad

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



73.9122, 0.2913, 0.3731



73.9122, 0.2638, 0.2691



73.9122, 0.3846, 0.3464

Complementary

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



73.9122, 0.2913, 0.3731



51.4634, 0.3419, 0.2888

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.



73.9122, 0.3655, 0.3163



73.9122, 0.2913, 0.3731



73.9122, 0.2943, 0.2732

Square

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



73.9122, 0.2913, 0.3731



73.9122, 0.2466, 0.2797



73.9122, 0.3317, 0.2902



73.9122, 0.3828, 0.3744

Rectangle

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



73.9122, 0.2913, 0.3731



73.9122, 0.2494, 0.3156



73.9122, 0.3317, 0.2902



73.9122, 0.3803, 0.3363

Sweetspot

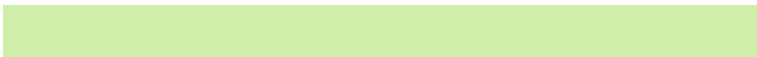
The Sweet Spot groups the original color and five complimentary colors.



73.9153, 0.2913, 0.3731



95.1251, 0.3057, 0.3415



77.3759, 0.3339, 0.4057



20.2032, 0.3046, 0.3436



0.0000, 0.0000, 0.0000



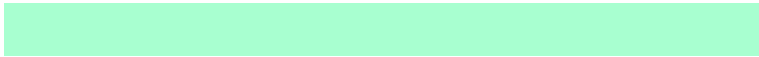
21.4041, 0.3127, 0.3290

Same Dimension

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



73.9153, 0.2913, 0.3731



84.4209, 0.2876, 0.3833



75.6729, 0.2731, 0.3328



17.7761, 0.3054, 0.3421



34.7489, 0.2765, 0.5154



2.9106, 0.2695, 0.4901

Inverse Universe

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



51.4634, 0.3419, 0.2888



54.3094, 0.3495, 0.2807



49.9907, 0.3725, 0.3254



15.9029, 0.3208, 0.3162



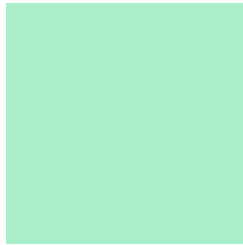
11.0611, 0.4770, 0.2401



0.9402, 0.4507, 0.2257

Previews

White Background



This preview shows how the Yxy color 73.9122, 0.2913, 0.3731 looks on a white background.

Color Contrast Check

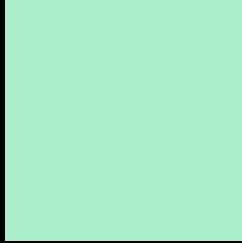
Large Text (above 18pt) WCAG AA × Fail

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 73.9122, 0.2913, 0.3731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

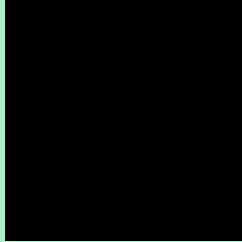
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

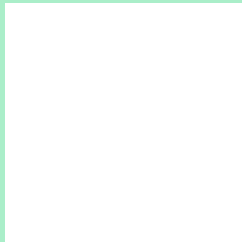
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 73.9122, 0.2913, 0.3731

Background



This preview shows how black text looks on a background with the Yxy color 73.9122, 0.2913, 0.3731.

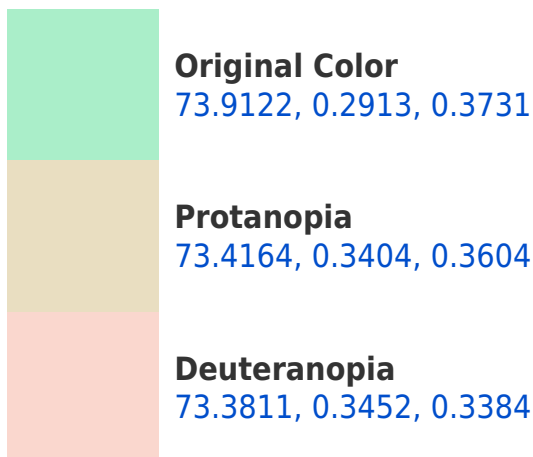


This preview shows how white text looks on a background with the Yxy color 73.9122, 0.2913, 0.3731.

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

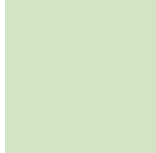
73.7573, 0.2697, 0.3077

Trichromacy



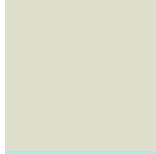
Original Color

73.9122, 0.2913, 0.3731



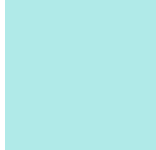
Protanomaly

73.1740, 0.3208, 0.3651



Deuteranomaly

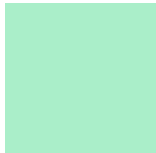
72.5071, 0.3239, 0.3499



Tritanomaly

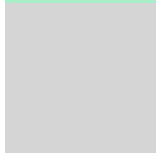
73.9019, 0.2774, 0.3312

Monochromacy



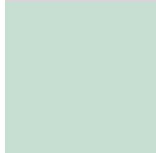
Original Color

73.9122, 0.2913, 0.3731



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

68.7163, 0.3036, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.9122, 0.2913, 0.3731 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(170, 238, 201)  
}
```

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, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 238, 201) }
```

Border

The CSS property to change the border of an element to Yxy 73.9122, 0.2913, 0.3731 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, 201) }
```

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

```
.border{ border-color:rgb(170, 238, 201) }
```

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, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 238, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 238, 201);  
box-shadow:4px 4px 4px 4px rgb(170, 238,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 73.9122, 0.2913, 0.3731 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, 201) }
```

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

```
.background{ background-color: rgb(170,  
238, 201) }
```

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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