

# Converting Colors

$Yxy(73.9585, 0.2914, 0.3501)$

Have a look what the booklet for  
Yxy(73.9585, 0.2914, 0.3501)  
contains.

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# Color

**Yxy(73.9939, 0.2911, 0.3497)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8EAD8
RGB	184, 234, 216
RGB Percent	72%, 92%, 85%
CMY	0.2782, 0.0824, 0.1529
CMYK	0.21, 0.00, 0.08, 0.08
HSL	158°, 54%, 82%
HSV	158°, 21%, 92%
XYZ	61.5946, 73.9939, 76.0040
YIQ	216.9980, -24.0220, -16.1980

# Conversions

## Conversions Part 2

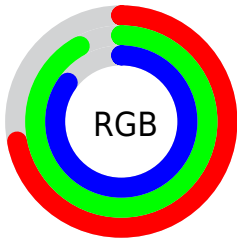
Format	Color
<a href="#">RYB</a>	<a href="#">184, 214, 234</a>
Decimal	<a href="#">12118744</a>
CIELab	<a href="#">88.92, -19.56, 3.48</a>
CIElCh	<a href="#">89, 19.863, 169.905</a>
Yxy	<a href="#">73.9939, 0.2911, 0.3497</a>
Android (android.graphics.Color)	<a href="#">4290308824 (0xFFB8EAD8)</a>
YUV	<a href="#">216.9980, -0.4920, -28.9392</a>
Hunter-Lab	<a href="#">86.0197, -22.7192, 7.8272</a>

# Details

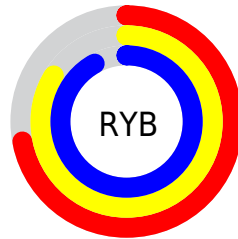
The Yxy color **73.9939, 0.2911, 0.3497** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **56.0617, 0.3406, 0.3093**, and the grayscale version is **69.4110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **39.1598, 0.2860, 0.3549** is the 20% darker color. If you saturate the color by 10%, you get **70.9163, 0.2819, 0.3610**, and if you desaturate by 10%, it is **77.5780, 0.3010, 0.3394**.

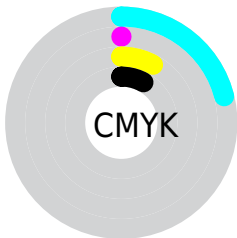
# Distribution



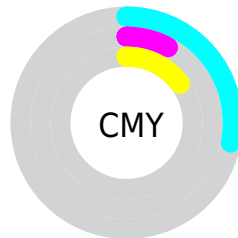
- Red (72%)
- Green (92%)
- Blue (85%)



- Red (72%)
- Yellow (84%)
- Blue (92%)



- Cyan (21%)
- Magenta (0%)
- Yellow (8%)
- Black (8%)




- Cyan (28%)
- Magenta (8%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.9939, 0.2911, 0.3497 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 73.9939, 0.2911, 0.3497 by changing the saturation by 10% instead.




 73.9939, 0.2911,  
0.3497

 73.9939, 0.2911,  
0.3497


474.4523, 0.3011,  
0.3400

 54.7890, 0.2888,  
0.3519


 124.8872, 0.2946,  
0.3463

 39.2329, 0.2860,  
0.3547


157.3444, 0.2959,  
0.3450

 26.9409, 0.2823,  
0.3583


194.9878, 0.2971,  
0.3439

 17.5289, 0.2776,  
0.3630

238.2019, 0.2981,  
0.3429

 10.6123, 0.2711,  
0.3694

287.3709, 0.2990,  
0.3421

 5.8068, 0.2617,  
0.3789


342.8795, 0.2998,


 2.7279, 0.2468,


0.3413


405.1118, 0.3005,  
0.3406


0.3942


 0.9914, 0.2019,  
0.4340


 0.0000, 0.0000,  
0.0000


 73.9939, 0.2911,  
0.3497


 73.9939, 0.2911,  
0.3497


 70.9163, 0.2819,  
0.3610


 77.5780, 0.3010,  
0.3394


 68.3121, 0.2737,  
0.3731

 81.6816, 0.3113,  
0.3302

 66.1587, 0.2668,  
0.3861

 86.3286, 0.3218,  
0.3219

 64.4278, 0.2615,  
0.3996

 86.9861, 0.3170,  
0.3138

■ 63.0876, 0.2581,  
0.4136

■ 87.3216, 0.3137,  
0.3088

■ 62.1020, 0.2567,  
0.4277

■ 61.4276, 0.2574,  
0.4416

■ 61.0342, 0.2593,  
0.4534

# Harmonies

## Analogous

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



73.9939, 0.3140, 0.3661



73.9939, 0.2911, 0.3497



73.9939, 0.2743, 0.3275

# Triad

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



73.9939, 0.2911, 0.3497



73.9939, 0.2876, 0.2894



73.9939, 0.3600, 0.3484

# Complementary

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



73.9939, 0.2911, 0.3497



56.0617, 0.3406, 0.3093

# 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.



73.9939, 0.3525, 0.3285



73.9939, 0.2911, 0.3497



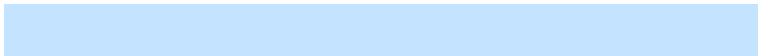
73.9939, 0.3100, 0.2953

# Square

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



73.9939, 0.2911, 0.3497



73.9939, 0.2723, 0.2932



73.9939, 0.3339, 0.3094



73.9939, 0.3543, 0.3643



# Rectangle

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



73.9939, 0.2911, 0.3497



73.9939, 0.2686, 0.3132



73.9939, 0.3339, 0.3094



73.9939, 0.3590, 0.3420

# Sweetspot

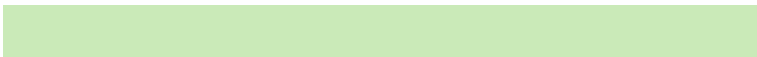
The Sweet Spot groups the original color and five complimentary colors.



73.9970, 0.2911, 0.3497



96.8629, 0.3064, 0.3344



74.9123, 0.3224, 0.3862



20.6626, 0.3058, 0.3350



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

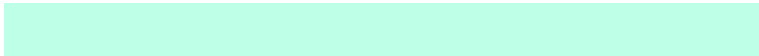


# Same Dimension

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



73.9970, 0.2911, 0.3497



88.0767, 0.2866, 0.3550



71.2587, 0.2804, 0.3213



17.0244, 0.3029, 0.3376



34.3252, 0.2587, 0.4513



2.7136, 0.2534, 0.4323



# Inverse Universe

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



56.0617, 0.3406, 0.3093



62.3091, 0.3487, 0.3046



58.0912, 0.3543, 0.3365



15.1437, 0.3236, 0.3205



10.2140, 0.5534, 0.2822

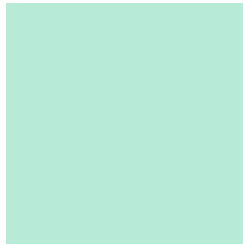


0.8199, 0.5152, 0.2612



# Previews

## White Background



This preview shows how the Yxy color 73.9939, 0.2911, 0.3497 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

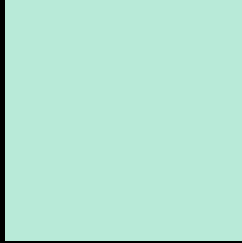
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.9939, 0.2911, 0.3497 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

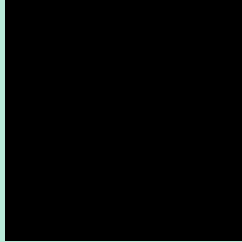
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

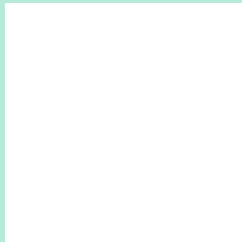
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.9939, 0.2911, 0.3497**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.9939, 0.2911, 0.3497.

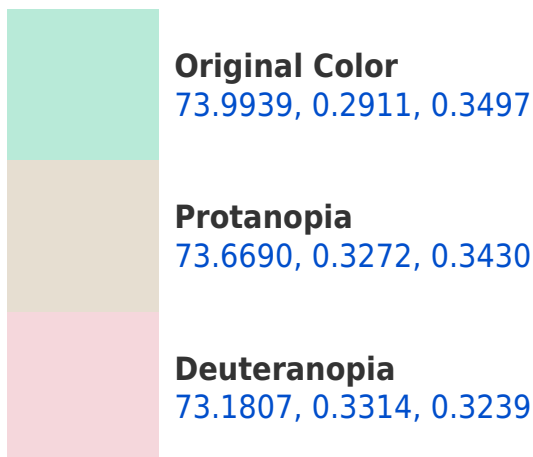


This preview shows how white text looks on a background with the Yxy color 73.9939, 0.2911, 0.3497.

# 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

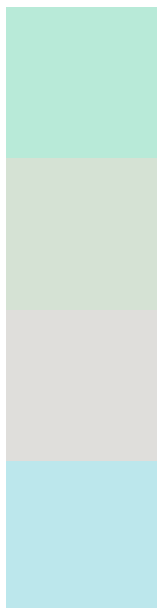




## Tritanopia

73.7631, 0.2764, 0.3080

# Trichromacy



## Original Color

73.9939, 0.2911, 0.3497

## Protanomaly

73.2923, 0.3127, 0.3445

## Deuteranomaly

73.0450, 0.3154, 0.3323

## Tritanomaly

73.8993, 0.2820, 0.3233

# Monochromacy



## Original Color

73.9939, 0.2911, 0.3497

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

70.7642, 0.3041, 0.3357

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.9939, 0.2911, 0.3497 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(184, 234, 216)` looks like.

```
.text, #text, p{  
    color:rgb(184, 234, 216)  
}
```

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(184, 234, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 234, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 73.9939, 0.2911, 0.3497 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(184, 234, 216) }
```

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

```
.border{ border-color:rgb(184, 234, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 234, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 234, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 234, 216);  
box-shadow:4px 4px 4px 4px rgb(184, 234,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.9939, 0.2911, 0.3497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 234, 216) }
```

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

```
.background{ background-color: rgb(184,  
234, 216) }
```

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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