

# Converting Colors

$Yxy(73.1303, 0.2998, 0.3437)$

Have a look what the booklet for  
Yxy(73.1303, 0.2998, 0.3437)  
contains.

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# Color

**Yxy(73.0023, 0.2999, 0.3437)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C6E5D8
RGB	198, 229, 216
RGB Percent	78%, 90%, 85%
CMY	0.2236, 0.1019, 0.1529
CMYK	0.14, 0.00, 0.06, 0.10
HSL	155°, 37%, 84%
HSV	155°, 14%, 90%
XYZ	63.6991, 73.0023, 75.6998
YIQ	218.2490, -14.3030, -10.6150

# Conversions

## Conversions Part 2

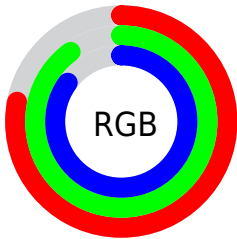
Format	Color
<b>RYB</b>	198, 218, 229
Decimal	13034968
CIELab	88.45, -12.65, 2.91
CIELCh	88, 12.983, 167.062
Yxy	73.0023, 0.2999, 0.3437
Android (android.graphics.Color)	4291225048 (0xFFC6E5D8)
YUV	218.2490, -1.1088, -17.7584
Hunter-Lab	85.4414, -16.4453, 7.2789

# Details

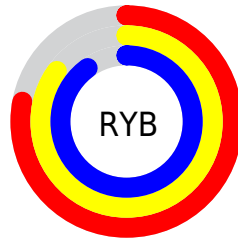
The Yxy color **73.0023, 0.2999, 0.3437** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.7427, 0.3276, 0.3148**, and the grayscale version is **70.3068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.7746, 0.2971, 0.3484** is the 20% darker color. If you saturate the color by 10%, you get **69.6432, 0.2909, 0.3560**, and if you desaturate by 10%, it is **76.8671, 0.3093, 0.3326**.

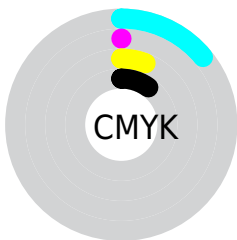
# Distribution



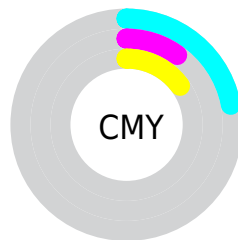
- Red (78%)
- Green (90%)
- Blue (85%)



- Red (78%)
- Yellow (85%)
- Blue (90%)



- Cyan (14%)
- Magenta (0%)
- Yellow (6%)
- Black (10%)



- Cyan (22%)
- Magenta (10%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.0023, 0.2999, 0.3437 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 73.0023, 0.2999, 0.3437 by changing the saturation by 10% instead.



■ 73.0023, 0.2999,  
0.3437

■ 73.0023, 0.2999,  
0.3437

471.0228, 0.3059,  
0.3368

■ 53.9778, 0.2985,  
0.3453

123.4805, 0.3020,  
0.3413

■ 38.5839, 0.2968,  
0.3473

155.7030, 0.3028,  
0.3404

■ 26.4362, 0.2947,  
0.3498

193.0936, 0.3035,  
0.3396

■ 17.1503, 0.2918,  
0.3531

236.0368, 0.3041,  
0.3389

■ 10.3417, 0.2879,  
0.3577

284.9169, 0.3046,  
0.3383

■ 5.6261, 0.2822,  
0.3644

340.1184, 0.3051,

■ 2.6191, 0.2731,

0.3377

402.0255, 0.3055,  
0.3373

0.3753

0.9363, 0.2488,  
0.4016

0.0000, 0.0000,  
0.0000

73.0023, 0.2999,  
0.3437

73.0023, 0.2999,  
0.3437

69.6432, 0.2909,  
0.3560

76.8671, 0.3093,  
0.3326

66.7589, 0.2825,  
0.3694


81.2485, 0.3189,  
0.3228


64.3295, 0.2752,  
0.3839


83.8845, 0.3204,  
0.3136


62.3297, 0.2692,  
0.3994


84.4857, 0.3143,  
0.3044

 60.7319, 0.2648,  
0.4155

 84.5239, 0.3139,  
0.3039

 59.5050, 0.2623,  
0.4320

 58.6133, 0.2618,  
0.4485

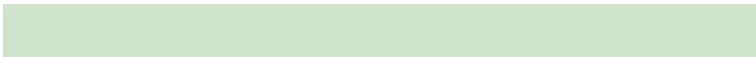
 58.0134, 0.2634,  
0.4646

 57.7374, 0.2652,  
0.4747

# Harmonies

## Analogous

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



73.0023, 0.3153, 0.3536



73.0023, 0.2999, 0.3437



73.0023, 0.2881, 0.3297

# Triad

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



73.0023, 0.2999, 0.3437



73.0023, 0.2950, 0.3026



73.0023, 0.3435, 0.3410

# Complementary

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



73.0023, 0.2999, 0.3437



61.7427, 0.3276, 0.3148

# 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.



73.0023, 0.3378, 0.3276



73.0023, 0.2999, 0.3437



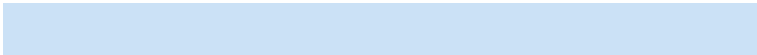
73.0023, 0.3095, 0.3059

# Square

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



73.0023, 0.2999, 0.3437



73.0023, 0.2853, 0.3061



73.0023, 0.3253, 0.3149



73.0023, 0.3407, 0.3516



# Rectangle

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



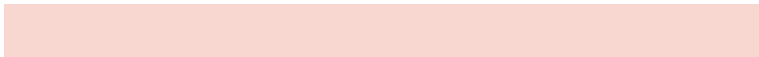
73.0023, 0.2999, 0.3437



73.0023, 0.2838, 0.3202



73.0023, 0.3253, 0.3149



73.0023, 0.3426, 0.3366

# Sweetspot

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



73.0054, 0.2999, 0.3437



97.8442, 0.3089, 0.3331



74.0325, 0.3204, 0.3638



20.8585, 0.3081, 0.3339



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

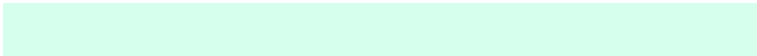


# Same Dimension

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



73.0054, 0.2999, 0.3437



92.0132, 0.2976, 0.3467



72.5671, 0.2920, 0.3266



16.2288, 0.3037, 0.3390



33.0329, 0.2645, 0.4723



2.4595, 0.2581, 0.4491



# Inverse Universe

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



61.7427, 0.3276, 0.3148



75.2412, 0.3309, 0.3120



62.0684, 0.3373, 0.3314



14.4677, 0.3227, 0.3192



10.0299, 0.5293, 0.2690

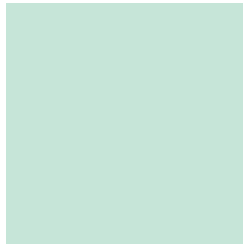


0.7594, 0.4917, 0.2482



# Previews

## White Background



This preview shows how the Yxy color 73.0023, 0.2999, 0.3437 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

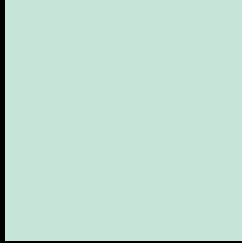
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.0023, 0.2999, 0.3437 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

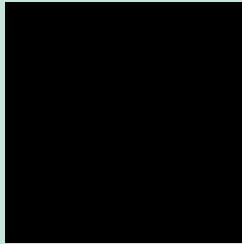
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

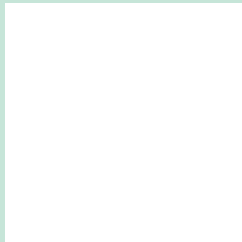
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.0023, 0.2999, 0.3437**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.0023, 0.2999, 0.3437.

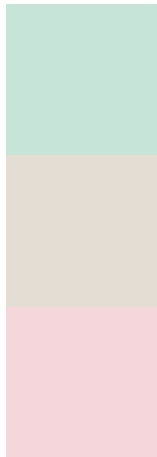


This preview shows how white text looks on a background with the Yxy color 73.0023, 0.2999, 0.3437.

# 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



### Original Color

73.0023, 0.2999, 0.3437

### Protanopia

72.9100, 0.3244, 0.3398

### Deuteranopia

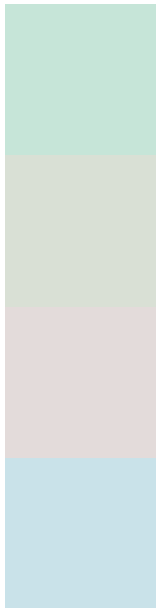
72.4407, 0.3315, 0.3239



## Tritanopia

73.0180, 0.2869, 0.3093

# Trichromacy



**Original Color**

73.0023, 0.2999, 0.3437

**Protanomaly**

72.8671, 0.3150, 0.3411

**Deuteranomaly**

72.0559, 0.3191, 0.3301

**Tritanomaly**

72.6934, 0.2916, 0.3212

# Monochromacy



**Original Color**

73.0023, 0.2999, 0.3437

**Achromatopsia**

70.1102, 0.3127, 0.3290

**Achromatomaly**

71.1012, 0.3082, 0.3346

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.0023, 0.2999, 0.3437 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(198, 229, 216)` looks like.

```
.text, #text, p{  
    color:rgb(198, 229, 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(198, 229, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 229, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 73.0023, 0.2999, 0.3437 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(198, 229, 216) }
```

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

```
.border{ border-color:rgb(198, 229, 216) }
```

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

Here you see how a box with a 4 pixel rgb(198, 229, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 229, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 229, 216);  
box-shadow:4px 4px 4px 4px rgb(198, 229,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.0023, 0.2999, 0.3437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 229, 216) }
```

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

```
.background{ background-color: rgb(198,  
229, 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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