

# Converting Colors

$Y_{xy}(72.4211, 0.2948, 0.3337)$

Have a look what the booklet for  
Yxy(72.4211, 0.2948, 0.3337)  
contains.

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# Color

**Yxy(72.6848, 0.2950, 0.3346)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5E4DF
RGB	197, 228, 223
RGB Percent	77%, 89%, 87%
CMY	0.2276, 0.1058, 0.1255
CMYK	0.14, 0.00, 0.02, 0.11
HSL	170°, 37%, 83%
HSV	170°, 14%, 89%
XYZ	64.0825, 72.6848, 80.4616
YIQ	218.1610, -16.8710, -8.1270

# Conversions

## Conversions Part 2

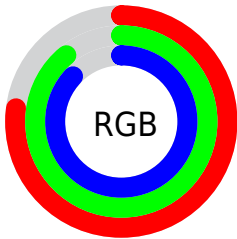
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	197, 214, 228
Decimal	12969183
CIE Lab	88.30, -11.12, -0.99
CIE LCh	88, 11.168, 185.109
Yxy	72.6848, 0.2950, 0.3346
Android (android.graphics.Color)	4291159263 (0xFFC5E4DF)
YUV	218.1610, 2.3856, -18.5582
Hunter-Lab	85.2554, -15.0267, 3.7226

# Details

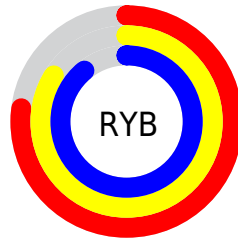
The Yxy color **72.6848, 0.2950, 0.3346** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.6797, 0.3338, 0.3235**, and the grayscale version is **70.2182, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8108, 0.3121, 0.3290**, and **38.5539, 0.2909, 0.3364** is the 20% darker color. If you saturate the color by 10%, you get **69.6430, 0.2828, 0.3392**, and if you desaturate by 10%, it is **76.2025, 0.3079, 0.3304**.

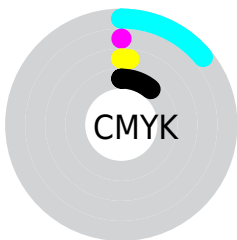
# Distribution



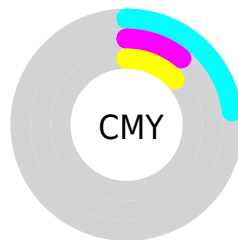
- Red (77%)
- Green (89%)
- Blue (87%)



- Red (77%)
- Yellow (84%)
- Blue (89%)



- Cyan (14%)
- Magenta (0%)
- Yellow (2%)
- Black (11%)



- Cyan (23%)
- Magenta (11%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.6848, 0.2950, 0.3346 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 72.6848, 0.2950, 0.3346 by changing the saturation by 10% instead.



72.6848, 0.2950,  
0.3346

72.6848, 0.2950,  
0.3346

469.9217, 0.3032,  
0.3320

53.7183, 0.2931,  
0.3352

123.0296, 0.2978,  
0.3337

38.3765, 0.2908,  
0.3359

155.1767, 0.2989,  
0.3334

26.2750, 0.2879,  
0.3368

192.4861, 0.2999,  
0.3331

17.0295, 0.2841,  
0.3380

235.3423, 0.3007,  
0.3328

10.2555, 0.2789,  
0.3395

284.1295, 0.3015,  
0.3326

5.5687, 0.2713,  
0.3418

339.2322, 0.3021,

2.5846, 0.2595,

0.3324

0.3453

401.0348, 0.3027,  
0.3322

0.9190, 0.2319,  
0.3543

0.0000, 0.0000,  
0.0000

72.6848, 0.2950,  
0.3346

72.6848, 0.2950,  
0.3346

69.6430, 0.2828,  
0.3392

76.2025, 0.3079,  
0.3304

67.0472, 0.2716,  
0.3441


80.2065, 0.3213,  
0.3266


64.8779, 0.2618,  
0.3494

82.6969, 0.3276,  
0.3231

63.1107, 0.2535,  
0.3549

82.9109, 0.3251,  
0.3195

 61.7187, 0.2470,  
0.3606


 83.1293, 0.3227,  
0.3159


 60.6717, 0.2424,  
0.3663


 83.3522, 0.3203,  
0.3123

 59.9347, 0.2398,  
0.3722

 83.5796, 0.3179,  
0.3088

 59.4655, 0.2391,  
0.3779

 83.8114, 0.3156,  
0.3053

 59.2631, 0.2393,  
0.3816

 83.9736, 0.3139,  
0.3029

# Harmonies

## Analogous

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



72.6848, 0.3068, 0.3456



72.6848, 0.2950, 0.3346



72.6848, 0.2880, 0.3222

# Triad

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



72.6848, 0.2950, 0.3346



72.6848, 0.3047, 0.3072



72.6848, 0.3387, 0.3454

# Complementary

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



72.6848, 0.2950, 0.3346



60.6797, 0.3338, 0.3235

# 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.



72.6848, 0.3381, 0.3349



72.6848, 0.2950, 0.3346



72.6848, 0.3183, 0.3132

# Square

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



72.6848, 0.2950, 0.3346



72.6848, 0.2935, 0.3067



72.6848, 0.3306, 0.3232



72.6848, 0.3321, 0.3517



# Rectangle

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



72.6848, 0.2950, 0.3346



72.6848, 0.2868, 0.3150



72.6848, 0.3306, 0.3232



72.6848, 0.3393, 0.3422

# Sweetspot

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



72.6878, 0.2950, 0.3346



98.0108, 0.3074, 0.3306



72.1005, 0.3146, 0.3646



20.9007, 0.3064, 0.3309



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

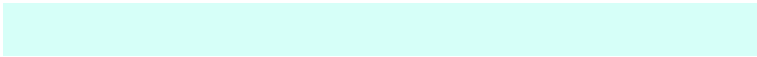


# Same Dimension

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



72.6878, 0.2950, 0.3346



92.6490, 0.2919, 0.3357



67.4384, 0.2917, 0.3172



16.2943, 0.3003, 0.3328



34.2313, 0.2391, 0.3807



2.5403, 0.2368, 0.3723



# Inverse Universe

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



60.6797, 0.3338, 0.3235



74.6638, 0.3384, 0.3224



65.3064, 0.3361, 0.3405



14.4058, 0.3267, 0.3252



9.6121, 0.6164, 0.3169

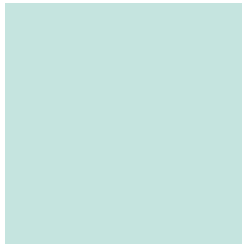


0.7219, 0.5795, 0.2966



# Previews

## White Background



This preview shows how the Yxy color 72.6848, 0.2950, 0.3346 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

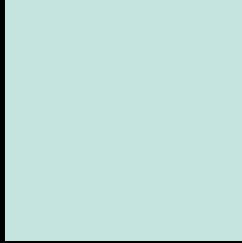
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.6848, 0.2950, 0.3346 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

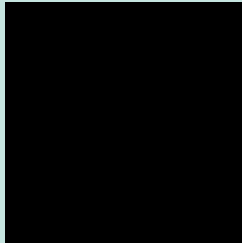
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

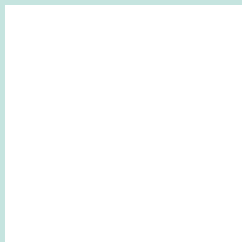
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.6848, 0.2950, 0.3346**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.6848, 0.2950, 0.3346.

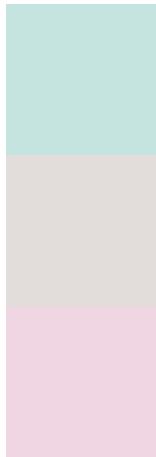


This preview shows how white text looks on a background with the Yxy color 72.6848, 0.2950, 0.3346.

# 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

72.6848, 0.2950, 0.3346

### Protanopia

72.4171, 0.3183, 0.3312

### Deuteranopia

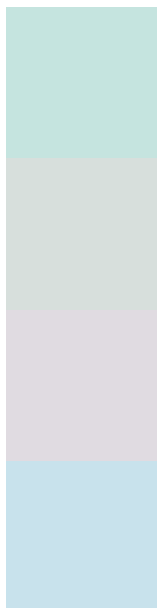
72.1094, 0.3236, 0.3165



## Tritanopia

72.7390, 0.2856, 0.3092

# Trichromacy



## Original Color

72.6848, 0.2950, 0.3346

## Protanomaly

72.3897, 0.3091, 0.3323

## Deuteranomaly

71.9466, 0.3123, 0.3225

## Tritanomaly

72.7282, 0.2892, 0.3179

# Monochromacy



## Original Color

72.6848, 0.2950, 0.3346

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

71.1115, 0.3056, 0.3312

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.6848, 0.2950, 0.3346 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(197, 228, 223)` looks like.

```
.text, #text, p{  
    color:rgb(197, 228, 223)  
}
```

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(197, 228, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 228, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 72.6848, 0.2950, 0.3346 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(197, 228, 223) }
```

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

```
.border{ border-color:rgb(197, 228, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 228, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 228, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 228, 223);  
box-shadow:4px 4px 4px 4px rgb(197, 228,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.6848, 0.2950, 0.3346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 228, 223) }
```

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

```
.background{ background-color: rgb(197,  
228, 223) }
```

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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