

# Converting Colors

Yxy(69.6658, 0.3000, 0.3312)

Have a look what the booklet for  
Yxy(69.6658, 0.3000, 0.3312)  
contains.

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# Color

**Yxy(69.8274, 0.2994, 0.3312)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9DEDC
RGB	201, 222, 220
RGB Percent	79%, 87%, 86%
CMY	0.2119, 0.1294, 0.1371
CMYK	0.09, 0.00, 0.01, 0.13
HSL	174°, 24%, 83%
HSV	174°, 9%, 87%
XYZ	63.1230, 69.8274, 77.8812
YIQ	215.4930, -11.8740, -5.0740

# Conversions

## Conversions Part 2

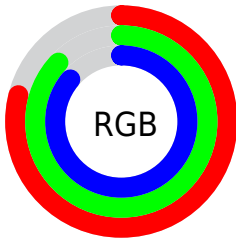
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	201, 212, 222
Decimal	13229788
CIE Lab	86.91, -7.35, -1.43
CIE LCh	87, 7.490, 190.994
Yxy	69.8274, 0.2994, 0.3312
Android (android.graphics.Color)	4291419868 (0xFFC9DEDC)
YUV	215.4930, 2.2220, -12.7104
Hunter-Lab	83.5628, -11.3968, 3.2352

# Details

The Yxy color **69.8274, 0.2994, 0.3312** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.5984, 0.3278, 0.3268**, and the grayscale version is **68.2965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.5571, 0.2964, 0.3319** is the 20% darker color. If you saturate the color by 10%, you get **66.8632, 0.2860, 0.3337**, and if you desaturate by 10%, it is **73.2436, 0.3135, 0.3289**.

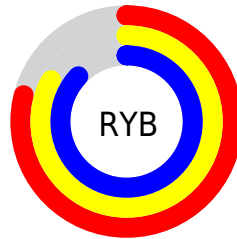
# Distribution



Red (79%)

Green (87%)

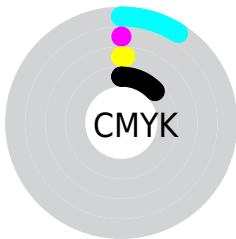
Blue (86%)



Red (79%)

Yellow (83%)

Blue (87%)

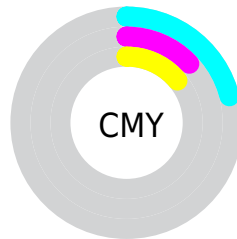


Cyan (9%)

Magenta (0%)

Yellow (1%)

Black (13%)



Cyan (21%)

Magenta (13%)

Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8274, 0.2994, 0.3312 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 69.8274, 0.2994, 0.3312 by changing the saturation by 10% instead.



■ 69.8274, 0.2994,  
0.3312

■ 69.8274, 0.2994,  
0.3312

459.9437, 0.3056,  
0.3302

■ 51.3858, 0.2980,  
0.3314

118.9626, 0.3016,  
0.3309

■ 36.5158, 0.2962,  
0.3317

150.4250, 0.3024,  
0.3307

■ 24.8328, 0.2940,  
0.3320

186.9965, 0.3031,  
0.3306

■ 15.9525, 0.2910,  
0.3325

229.0614, 0.3037,  
0.3305

■ 9.4906, 0.2869,  
0.3331

277.0042, 0.3043,  
0.3304

■ 5.0625, 0.2810,  
0.3339

331.2093, 0.3048,

■ 2.2840, 0.2716,

0.3303

392.0610, 0.3052,  
0.3303

0.3352

0.7652, 0.2439,  
0.3407

0.0000, 0.0000,  
0.0000

69.8274, 0.2994,  
0.3312

69.8274, 0.2994,  
0.3312

66.8632, 0.2860,  
0.3337

73.2436, 0.3135,  
0.3289

64.3230, 0.2737,  
0.3365


77.1207, 0.3279,  
0.3268


62.1896, 0.2626,  
0.3394

79.0160, 0.3335,  
0.3248

60.4408, 0.2531,  
0.3425


79.1317, 0.3320,  
0.3227

 59.0525, 0.2453,  
0.3456


 79.2487, 0.3306,  
0.3206

 57.9979, 0.2395,  
0.3488


 79.3672, 0.3292,  
0.3186


 57.2464, 0.2356,  
0.3521

 79.4871, 0.3277,  
0.3165

 56.7616, 0.2335,  
0.3553

 79.6084, 0.3263,  
0.3145

 56.4835, 0.2330,  
0.3585

 79.7311, 0.3249,  
0.3124

# Harmonies

## Analogous

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



69.8274, 0.3070, 0.3390



69.8274, 0.2994, 0.3312



69.8274, 0.2954, 0.3230

# Triad

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



69.8274, 0.2994, 0.3312



69.8274, 0.3091, 0.3146



69.8274, 0.3298, 0.3413

# Complementary

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



69.8274, 0.2994, 0.3312



61.5984, 0.3278, 0.3268

# 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.



69.8274, 0.3304, 0.3347



69.8274, 0.2994, 0.3312



69.8274, 0.3183, 0.3194

# Square

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



69.8274, 0.2994, 0.3312



69.8274, 0.3009, 0.3135



69.8274, 0.3262, 0.3267



69.8274, 0.3246, 0.3448



# Rectangle

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



69.8274, 0.2994, 0.3312



69.8274, 0.2952, 0.3183



69.8274, 0.3262, 0.3267



69.8274, 0.3305, 0.3394

# Sweetspot

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



69.8303, 0.2994, 0.3312



98.5316, 0.3084, 0.3297



69.1705, 0.3131, 0.3532



21.0079, 0.3073, 0.3299



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.



69.8303, 0.2994, 0.3312



94.8939, 0.2972, 0.3316



65.5750, 0.2981, 0.3194



15.5489, 0.2994, 0.3312



33.5477, 0.2328, 0.3582



2.3319, 0.2315, 0.3532

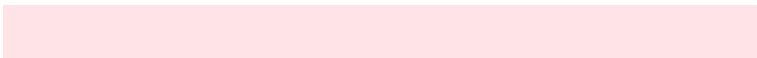


# Inverse Universe

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



61.5984, 0.3278, 0.3268



81.8610, 0.3307, 0.3264



65.5367, 0.3283, 0.3385



13.7214, 0.3277, 0.3268



9.2634, 0.6289, 0.3238

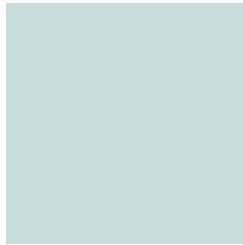


0.6494, 0.6013, 0.3086



# Previews

## White Background



This preview shows how the Yxy color 69.8274, 0.2994, 0.3312 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

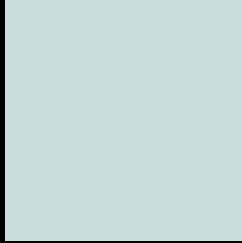
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.8274, 0.2994, 0.3312 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

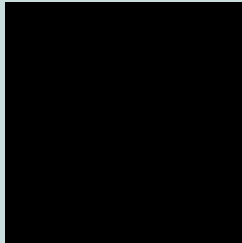
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

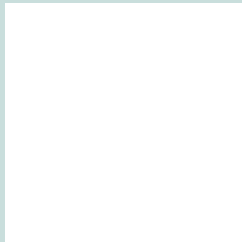
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.8274, 0.2994, 0.3312**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.8274, 0.2994, 0.3312.

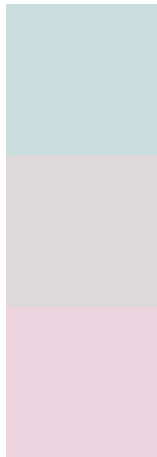


This preview shows how white text looks on a background with the Yxy color 69.8274, 0.2994, 0.3312.

# 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

69.8274, 0.2994, 0.3312

### Protanopia

69.4936, 0.3157, 0.3279

### Deuteranopia

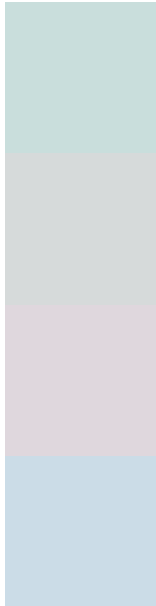
69.6953, 0.3237, 0.3174



## Tritanopia

69.6148, 0.2909, 0.3091

# Trichromacy



**Original Color**

69.8274, 0.2994, 0.3312

**Protanomaly**

69.5009, 0.3099, 0.3290

**Deuteranomaly**

69.5093, 0.3145, 0.3225

**Tritanomaly**

69.6524, 0.2939, 0.3167

# Monochromacy



**Original Color**

69.8274, 0.2994, 0.3312

**Achromatopsia**

67.9542, 0.3127, 0.3290

**Achromatomaly**

68.8542, 0.3077, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.8274, 0.2994, 0.3312 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(201, 222, 220)` looks like.

```
.text, #text, p{  
    color:rgb(201, 222, 220)  
}
```

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(201, 222, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 222, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 69.8274, 0.2994, 0.3312 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(201, 222, 220) }
```

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

```
.border{ border-color:rgb(201, 222, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 222, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 222, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 222, 220);  
box-shadow:4px 4px 4px 4px rgb(201, 222,  
220) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.8274, 0.2994, 0.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 222, 220) }
```

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

```
.background{ background-color: rgb(201,  
222, 220) }
```

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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