

# Converting Colors

Yxy(67.8602, 0.2992, 0.3220)

Have a look what the booklet for  
Yxy(67.8602, 0.2992, 0.3220)  
contains.

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# Color

**Yxy(67.7908, 0.2996, 0.3222)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CCD9DF
RGB	204, 217, 223
RGB Percent	80%, 85%, 87%
CMY	0.2000, 0.1490, 0.1255
CMYK	0.09, 0.03, 0.00, 0.13
HSL	199°, 23%, 84%
HSV	199°, 9%, 87%
XYZ	63.0358, 67.7908, 79.5732
YIQ	213.7970, -9.6740, -0.8900

# Conversions

## Conversions Part 2

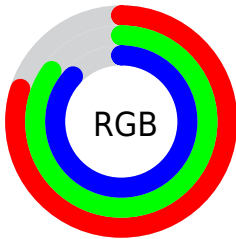
Format	Color
<a href="#">RYB</a>	<a href="#">204, 212, 223</a>
Decimal	<a href="#">13425119</a>
CIELab	<a href="#">85.90, -3.20, -4.46</a>
CIElCh	<a href="#">86, 5.485, 234.333</a>
Yxy	<a href="#">67.7908, 0.2996, 0.3222</a>
Android (android.graphics.Color)	<a href="#">4291615199 (0xFFCCD9DF)</a>
YUV	<a href="#">213.7970, 4.5371, -8.5920</a>
Hunter-Lab	<a href="#">82.3352, -7.4270, 0.3335</a>

# Details

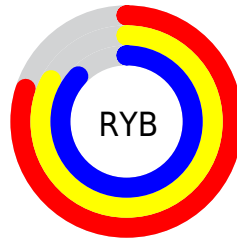
The Yxy color **67.7908, 0.2996, 0.3222** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.1456, 0.3267, 0.3357**, and the grayscale version is **67.0780, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.1518, 0.2965, 0.3201** is the 20% darker color. If you saturate the color by 10%, you get **61.3108, 0.2841, 0.3134**, and if you desaturate by 10%, it is **74.8827, 0.3150, 0.3301**.

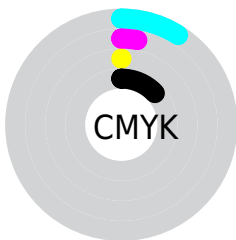
# Distribution



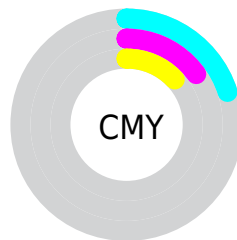
- Red (80%)
- Green (85%)
- Blue (87%)



- Red (80%)
- Yellow (83%)
- Blue (87%)



- Cyan (9%)
- Magenta (3%)
- Yellow (0%)
- Black (13%)



- Cyan (20%)
- Magenta (15%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.7908, 0.2996, 0.3222 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 67.7908, 0.2996, 0.3222 by changing the saturation by 10% instead.



■ 67.7908, 0.2996,  
0.3222

■ 67.7908, 0.2996,  
0.3222

452.7545, 0.3057,  
0.3254

■ 49.7276, 0.2982,  
0.3214

116.0528, 0.3017,  
0.3233

■ 35.1970, 0.2964,  
0.3205

147.0204, 0.3026,  
0.3238

■ 23.8146, 0.2942,  
0.3193

183.0582, 0.3033,  
0.3241

■ 15.1962, 0.2912,  
0.3177

224.5506, 0.3039,  
0.3245

■ 8.9572, 0.2872,  
0.3155

271.8820, 0.3044,  
0.3248

■ 4.7133, 0.2812,  
0.3121

325.4369, 0.3049,

■ 2.0800, 0.2716,

0.3250

385.5996, 0.3053,  
0.3252

0.3066

0.6534, 0.2445,  
0.2942

0.0000, 0.0000,  
0.0000

67.7908, 0.2996,  
0.3222

67.7908, 0.2996,  
0.3222

61.3108, 0.2841,  
0.3134

74.8827, 0.3150,  
0.3301

55.4131, 0.2689,  
0.3038

82.5976, 0.3301,  
0.3372

50.0781, 0.2541,  
0.2935

87.8135, 0.3337,  
0.3440

45.2818, 0.2403,  
0.2824

91.9984, 0.3328,  
0.3508

■ 40.9981, 0.2277,  
0.2708

■ 96.3456, 0.3319,  
0.3575

■ 37.1979, 0.2167,  
0.2589

■ 98.1077, 0.3316,  
0.3601

■ 33.8487, 0.2076,  
0.2468

■ 30.9124, 0.2006,  
0.2347

■ 28.3331, 0.1954,  
0.2228

# Harmonies

## Analogous

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



67.7908, 0.3011, 0.3279



67.7908, 0.2996, 0.3222



67.7908, 0.3015, 0.3184

# Triad

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



67.7908, 0.2996, 0.3222



67.7908, 0.3197, 0.3241



67.7908, 0.3189, 0.3408

# Complementary

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



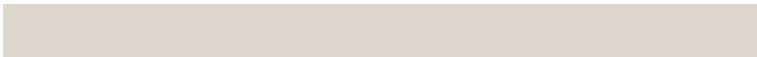
67.7908, 0.2996, 0.3222



66.1456, 0.3267, 0.3357

# 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.



67.7908, 0.3240, 0.3396



67.7908, 0.2996, 0.3222



67.7908, 0.3244, 0.3300

# Square

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



67.7908, 0.2996, 0.3222



67.7908, 0.3131, 0.3196



67.7908, 0.3260, 0.3356



67.7908, 0.3122, 0.3387



# Rectangle

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



67.7908, 0.2996, 0.3222



67.7908, 0.3045, 0.3175



67.7908, 0.3260, 0.3356



67.7908, 0.3209, 0.3408

# Sweetspot

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



67.7937, 0.2996, 0.3222



97.0459, 0.3081, 0.3267



70.2527, 0.3080, 0.3441



20.6056, 0.3068, 0.3260



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

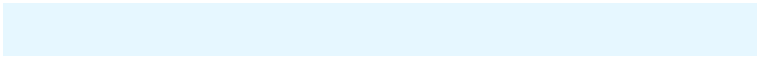


# Same Dimension

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



67.7937, 0.2996, 0.3222



90.4490, 0.2972, 0.3209



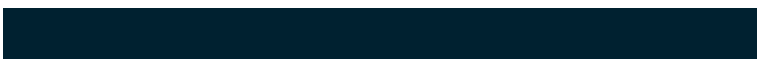
63.1855, 0.2996, 0.3117



14.8040, 0.2982, 0.3214



16.6568, 0.1952, 0.2228



1.3131, 0.2003, 0.2411



# Inverse Universe

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



63.8890, 0.3180, 0.3147



84.2878, 0.3190, 0.3120



70.8165, 0.3257, 0.3458



13.8581, 0.3186, 0.3131



10.5896, 0.4202, 0.2088

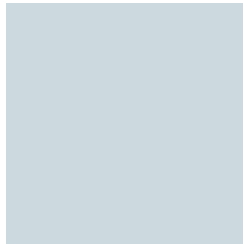


0.7500, 0.4011, 0.1983



# Previews

## White Background



This preview shows how the Yxy color 67.7908, 0.2996, 0.3222 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

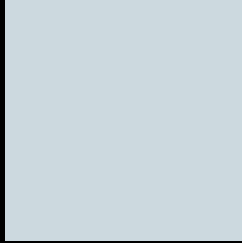
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.7908, 0.2996, 0.3222 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

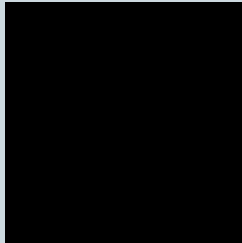
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

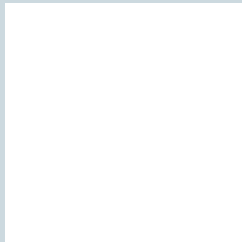
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.7908, 0.2996, 0.3222**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.7908, 0.2996, 0.3222.



This preview shows how white text looks on a background with the Yxy color 67.7908, 0.2996, 0.3222.

# 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

67.7908, 0.2996, 0.3222

### Protanopia

67.5607, 0.3102, 0.3202

### Deuteranopia

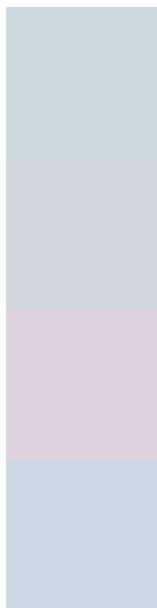
67.5369, 0.3180, 0.3108



## Tritanopia

67.6059, 0.2946, 0.3090

# Trichromacy



## Original Color

67.7908, 0.2996, 0.3222

## Protanomaly

67.3641, 0.3059, 0.3201

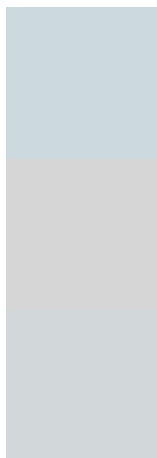
## Deuteranomaly

67.3425, 0.3112, 0.3148

## Tritanomaly

67.7480, 0.2965, 0.3144

# Monochromacy



## Original Color

67.7908, 0.2996, 0.3222

## Achromatopsia

67.2443, 0.3127, 0.3290

## Achromatomaly

67.3123, 0.3078, 0.3267

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.7908, 0.2996, 0.3222 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(204, 217, 223)` looks like.

```
.text, #text, p{  
    color:rgb(204, 217, 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(204, 217, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 217, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 67.7908, 0.2996, 0.3222 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(204, 217, 223) }
```

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

```
.border{ border-color:rgb(204, 217, 223) }
```

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

Here you see how a box with a 4 pixel rgb(204, 217, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 217, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 217, 223);  
box-shadow:4px 4px 4px 4px rgb(204, 217,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.7908, 0.2996, 0.3222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 217, 223) }
```

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

```
.background{ background-color: rgb(204,  
217, 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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