

# Converting Colors

Yxy(68.9924, 0.2946, 0.3308)

Have a look what the booklet for  
Yxy(68.9924, 0.2946, 0.3308)  
contains.

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# Color

**Yxy(68.8792, 0.2947, 0.3312)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2DEDC
RGB	194, 222, 220
RGB Percent	76%, 87%, 86%
CMY	0.2393, 0.1294, 0.1371
CMYK	0.13, 0.00, 0.01, 0.13
HSL	176°, 30%, 82%
HSV	176°, 13%, 87%
XYZ	61.2883, 68.8792, 77.8011
YIQ	213.4000, -16.0460, -6.5580

# Conversions

## Conversions Part 2

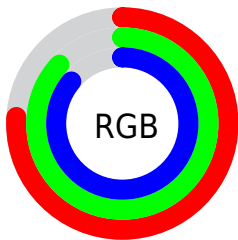
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 209, 222
Decimal	12771036
CIELab	86.44, -9.60, -2.17
CIELCh	86, 9.846, 192.754
Yxy	68.8792, 0.2947, 0.3312
Android (android.graphics.Color)	4290961116 (0xFFC2DEDC)
YUV	213.4000, 3.2538, -17.0138
Hunter-Lab	82.9935, -13.4214, 2.5149

# Details

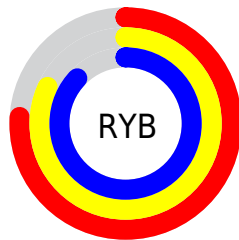
The Yxy color **68.8792, 0.2947, 0.3312** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **58.0904, 0.3340, 0.3268**, and the grayscale version is **66.8083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2492, 0.3102, 0.3290**, and **35.9295, 0.2904, 0.3320** is the 20% darker color. If you saturate the color by 10%, you get **66.0788, 0.2813, 0.3331**, and if you desaturate by 10%, it is **72.1249, 0.3089, 0.3294**.

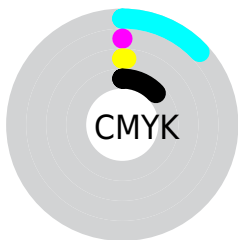
# Distribution



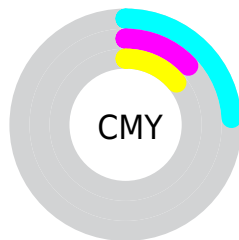
- Red (76%)
- Green (87%)
- Blue (86%)



- Red (76%)
- Yellow (82%)
- Blue (87%)



- Cyan (13%)
- Magenta (0%)
- Yellow (1%)
- Black (13%)




- Cyan (24%)
- Magenta (13%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.8792, 0.2947, 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 68.8792, 0.2947, 0.3312 by changing the saturation by 10% instead.




 68.8792, 0.2947,  
0.3312

 68.8792, 0.2947,  
0.3312

456.6048, 0.3031,  
0.3302

 50.6133, 0.2928,  
0.3314


 117.6090, 0.2976,  
0.3309

 35.9010, 0.2904,  
0.3317


148.8418, 0.2988,  
0.3307

 24.3577, 0.2873,  
0.3320

185.1656, 0.2997,  
0.3306

 15.5992, 0.2833,  
0.3324

226.9649, 0.3006,  
0.3305

 9.2410, 0.2778,  
0.3329

274.6241, 0.3013,  
0.3304

 4.8987, 0.2697,  
0.3336


328.5275, 0.3020,

 2.1879, 0.2569,


0.3304


389.0596, 0.3026,  
0.3303


0.3346


 0.7134, 0.2127,  
0.3420


 0.0000, 0.0000,  
0.0000


 68.8792, 0.2947,  
0.3312


 68.8792, 0.2947,  
0.3312


 66.0788, 0.2813,  
0.3331


 72.1249, 0.3089,  
0.3294


 63.6958, 0.2691,  
0.3352

 75.8254, 0.3236,  
0.3278

 61.7120, 0.2583,  
0.3374


 78.9260, 0.3346,  
0.3264


 60.1050, 0.2491,  
0.3397

 79.0112, 0.3335,  
0.3248

 58.8497, 0.2418,  
0.3420


 79.0973, 0.3324,  
0.3233


 57.9183, 0.2364,  
0.3444

 79.1841, 0.3314,  
0.3217


 57.2787, 0.2329,  
0.3468

 79.2717, 0.3303,  
0.3202

 56.8922, 0.2312,  
0.3491

 79.3601, 0.3292,  
0.3186

 56.7225, 0.2308,  
0.3508

 79.4493, 0.3282,  
0.3171

# Harmonies

## Analogous

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



68.8792, 0.3044, 0.3417



68.8792, 0.2947, 0.3312



68.8792, 0.2898, 0.3203

# Triad

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



68.8792, 0.2947, 0.3312



68.8792, 0.3086, 0.3103



68.8792, 0.3350, 0.3456

# Complementary

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



68.8792, 0.2947, 0.3312



58.0904, 0.3340, 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.



68.8792, 0.3363, 0.3370



68.8792, 0.2947, 0.3312



68.8792, 0.3208, 0.3168

# Square

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



68.8792, 0.2947, 0.3312



68.8792, 0.2976, 0.3086



68.8792, 0.3310, 0.3265



68.8792, 0.3278, 0.3500



# Rectangle

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



68.8792, 0.2947, 0.3312



68.8792, 0.2898, 0.3144



68.8792, 0.3310, 0.3265



68.8792, 0.3362, 0.3431

# Sweetspot

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



68.8821, 0.2947, 0.3312



98.0705, 0.3069, 0.3297



67.9184, 0.3128, 0.3619



20.9159, 0.3058, 0.3298



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

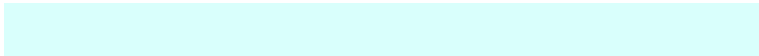


# Same Dimension

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



68.8821, 0.2947, 0.3312



93.2818, 0.2913, 0.3317



62.9978, 0.2932, 0.3154



15.5549, 0.2991, 0.3306



33.6971, 0.2307, 0.3505



2.3407, 0.2297, 0.3468



# Inverse Universe

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



58.0904, 0.3340, 0.3268



75.8943, 0.3390, 0.3264



63.4038, 0.3339, 0.3422



13.7161, 0.3281, 0.3274



9.2517, 0.6322, 0.3256

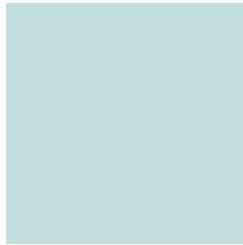


0.6468, 0.6106, 0.3137



# Previews

## White Background



This preview shows how the Yxy color 68.8792, 0.2947, 0.3312 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

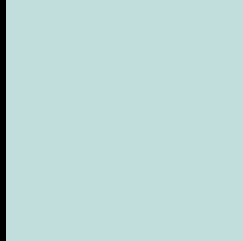
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.8792, 0.2947, 0.3312 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

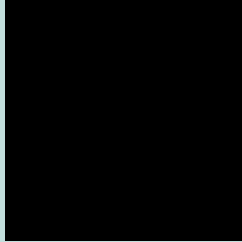
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

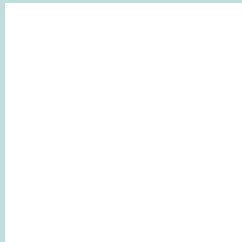
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 68.8792, 0.2947, 0.3312**

## Background



This preview shows how black text looks on a background with the Yxy color 68.8792, 0.2947, 0.3312.

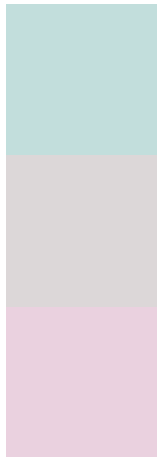


This preview shows how white text looks on a background with the Yxy color 68.8792, 0.2947, 0.3312.

# 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

68.8792, 0.2947, 0.3312

### Protanopia

68.7744, 0.3157, 0.3279

### Deuteranopia

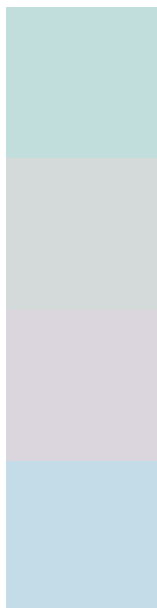
68.4211, 0.3216, 0.3141



## Tritanopia

68.6478, 0.2863, 0.3088

# Trichromacy



## Original Color

68.8792, 0.2947, 0.3312

## Protanomaly

69.0014, 0.3084, 0.3301

## Deuteranomaly

68.4271, 0.3109, 0.3202

## Tritanomaly

68.6917, 0.2893, 0.3165

# Monochromacy



## Original Color

68.8792, 0.2947, 0.3312

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

67.1914, 0.3055, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.8792, 0.2947, 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(194, 222, 220)` looks like.

```
.text, #text, p{  
    color:rgb(194, 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(194, 222, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 222, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 68.8792, 0.2947, 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(194, 222, 220) }
```

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

```
.border{ border-color:rgb(194, 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(194, 222, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 222, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 222, 220);  
box-shadow:4px 4px 4px 4px rgb(194, 222,  
220) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.8792, 0.2947, 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(194, 222, 220) }
```

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

```
.background{ background-color: rgb(194,  
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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