

# Converting Colors

$Yxy(70.2199, 0.3046, 0.3322)$

Have a look what the booklet for  
Yxy(70.2199, 0.3046, 0.3322)  
contains.

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# Color

**Yxy(70.0403, 0.3048, 0.3323)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFDDDA
RGB	207, 221, 218
RGB Percent	81%, 87%, 85%
CMY	0.1883, 0.1333, 0.1449
CMYK	0.06, 0.00, 0.01, 0.13
HSL	167°, 17%, 84%
HSV	167°, 6%, 87%
XYZ	64.2440, 70.0403, 76.4900
YIQ	216.4720, -7.3810, -3.9010

# Conversions

## Conversions Part 2

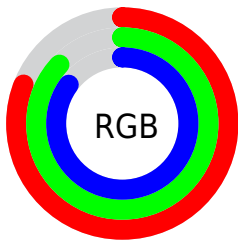
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 215, 221
Decimal	13622746
CIE <sub>Lab</sub>	87.02, -5.24, -0.18
CIE <sub>LCh</sub>	87, 5.239, 181.934
Yxy	70.0403, 0.3048, 0.3323
Android (android.graphics.Color)	4291812826 (0xFFCFDDDA)
YUV	216.4720, 0.7533, -8.3069
Hunter-Lab	83.6901, -9.4336, 4.3939

# Details

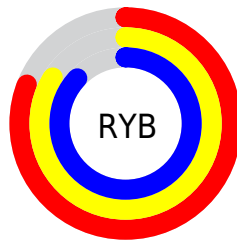
The Yxy color **70.0403, 0.3048, 0.3323** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.6416, 0.3213, 0.3257**, and the grayscale version is **69.0081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.6891, 0.3034, 0.3334** is the 20% darker color. If you saturate the color by 10%, you get **66.8387, 0.2927, 0.3379**, and if you desaturate by 10%, it is **73.7003, 0.3173, 0.3272**.

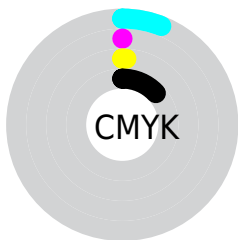
# Distribution



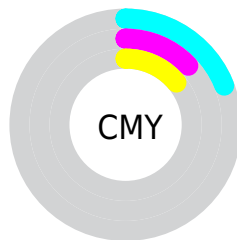
- Red (81%)
- Green (87%)
- Blue (85%)



- Red (81%)
- Yellow (84%)
- Blue (87%)



- Cyan (6%)
- Magenta (0%)
- Yellow (1%)
- Black (13%)



- Cyan (19%)
- Magenta (13%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0403, 0.3048, 0.3323 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 70.0403, 0.3048, 0.3323 by changing the saturation by 10% instead.



■ 70.0403, 0.3048,  
0.3323

■ 70.0403, 0.3048,  
0.3323

460.6915, 0.3085,  
0.3308

■ 51.5594, 0.3039,  
0.3327

119.2662, 0.3061,  
0.3318

■ 36.6540, 0.3029,  
0.3331

150.7800, 0.3066,  
0.3316

■ 24.9397, 0.3016,  
0.3336

187.4069, 0.3070,  
0.3314

■ 16.0321, 0.2998,  
0.3344

229.5313, 0.3074,  
0.3312

■ 9.5469, 0.2973,  
0.3354

277.5375, 0.3077,  
0.3311

■ 5.0996, 0.2938,  
0.3368

331.8101, 0.3080,

■ 2.3058, 0.2881,

0.3310

392.7332, 0.3083,  
0.3309

0.3392

0.7768, 0.2719,  
0.3459

0.0000, 0.0000,  
0.0000

70.0403, 0.3048,  
0.3323

70.0403, 0.3048,  
0.3323

66.8387, 0.2927,  
0.3379

73.7003, 0.3173,  
0.3272

64.0681, 0.2814,  
0.3441


77.8272, 0.3301,  
0.3226


61.7117, 0.2711,  
0.3508


78.8056, 0.3296,  
0.3181

59.7482, 0.2621,  
0.3578


79.0749, 0.3264,  
0.3135

 58.1546, 0.2546,  
0.3652


 79.3512, 0.3233,  
0.3089


 56.9049, 0.2490,  
0.3729


 79.6347, 0.3201,  
0.3044

 55.9704, 0.2454,  
0.3807

 79.9254, 0.3170,  
0.3000

 55.3170, 0.2437,  
0.3885

 80.1960, 0.3143,  
0.2960

 54.9022, 0.2439,  
0.3962

# Harmonies

## Analogous

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



70.0403, 0.3106, 0.3372



70.0403, 0.3048, 0.3323



70.0403, 0.3011, 0.3265

# Triad

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



70.0403, 0.3048, 0.3323



70.0403, 0.3083, 0.3184



70.0403, 0.3251, 0.3364

# Complementary

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



70.0403, 0.3048, 0.3323



64.6416, 0.3213, 0.3257

# 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.



70.0403, 0.3245, 0.3313



70.0403, 0.3048, 0.3323



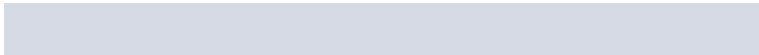
70.0403, 0.3147, 0.3210

# Square

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



70.0403, 0.3048, 0.3323



70.0403, 0.3031, 0.3185



70.0403, 0.3207, 0.3257



70.0403, 0.3224, 0.3396



# Rectangle

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



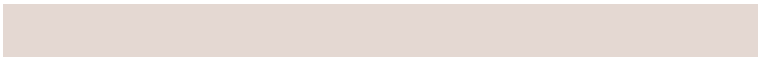
70.0403, 0.3048, 0.3323



70.0403, 0.3003, 0.3230



70.0403, 0.3207, 0.3257



70.0403, 0.3253, 0.3349

# Sweetspot

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



70.0433, 0.3048, 0.3323



98.9763, 0.3102, 0.3300



69.9252, 0.3141, 0.3448



21.1957, 0.3103, 0.3300



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.



70.0433, 0.3048, 0.3323



96.0594, 0.3027, 0.3332



68.1267, 0.3030, 0.3245



14.7800, 0.3010, 0.3340



31.8394, 0.2438, 0.3978



2.0748, 0.2403, 0.3852



# Inverse Universe

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



64.6416, 0.3213, 0.3257



86.6747, 0.3238, 0.3248



66.4445, 0.3230, 0.3335



13.0963, 0.3259, 0.3241



9.0614, 0.6034, 0.3098

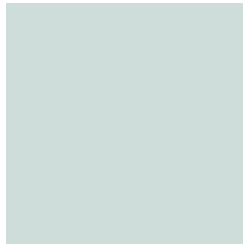


0.5998, 0.5577, 0.2846



# Previews

## White Background



This preview shows how the Yxy color 70.0403, 0.3048, 0.3323 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

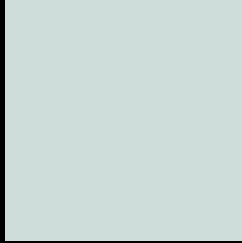
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.0403, 0.3048, 0.3323 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

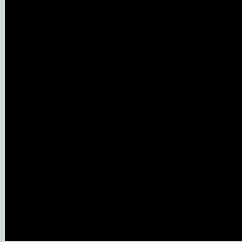
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

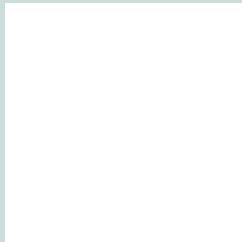
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.0403, 0.3048, 0.3323**

## Background



This preview shows how black text looks on a background with the Yxy color 70.0403, 0.3048, 0.3323.

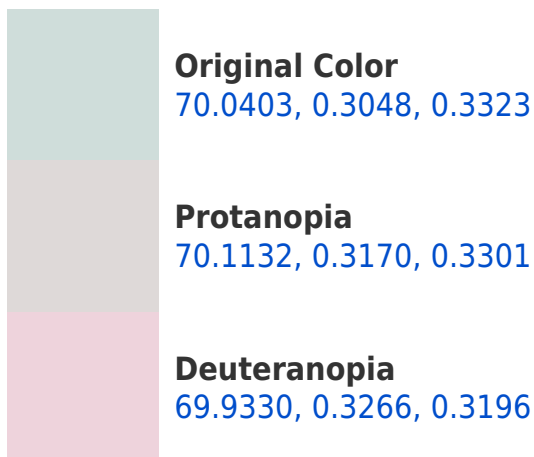


This preview shows how white text looks on a background with the Yxy color 70.0403, 0.3048, 0.3323.

# 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





## Tritanopia

69.9006, 0.2955, 0.3093

# Trichromacy



## Original Color

70.0403, 0.3048, 0.3323

## Protanomaly

69.9043, 0.3127, 0.3301

## Deuteranomaly

70.0462, 0.3188, 0.3247

## Tritanomaly

69.8755, 0.2992, 0.3179

# Monochromacy



## Original Color

70.0403, 0.3048, 0.3323

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

69.2987, 0.3098, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.0403, 0.3048, 0.3323 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(207, 221, 218)` looks like.

```
.text, #text, p{  
    color:rgb(207, 221, 218)  
}
```

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(207, 221, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 221, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 70.0403, 0.3048, 0.3323 is called "border". The border property can be set on classes, ids or directly on the HTML element.

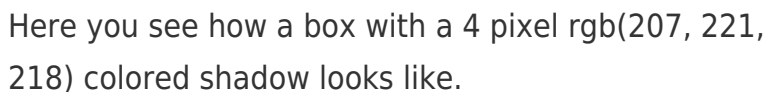
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(207, 221, 218) }
```

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

```
.border{ border-color:rgb(207, 221, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(207, 221, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 221, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 221, 218);  
box-shadow:4px 4px 4px 4px rgb(207, 221,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.0403, 0.3048, 0.3323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 221, 218) }
```

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

```
.background{ background-color: rgb(207,  
221, 218) }
```

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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