

# Converting Colors

$Yxy(71.0826, 0.3021, 0.3278)$

Have a look what the booklet for  
Yxy(71.0826, 0.3021, 0.3278)  
contains.

<b>Yxy(70.9802, 0.3023, 0.3279)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(70.9802, 0.3023, 0.3279)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0DEDF
RGB	208, 222, 223
RGB Percent	82%, 87%, 87%
CMY	0.1845, 0.1293, 0.1256
CMYK	0.07, 0.00, 0.00, 0.13
HSL	184°, 19%, 84%
HSV	184°, 7%, 87%
XYZ	65.4386, 70.9802, 80.0503
YIQ	217.9280, -8.6650, -2.6570

# Conversions

## Conversions Part 2

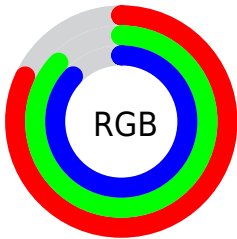
Format	Color
R <sub>Y</sub> B	208, 215, 223
Decimal	13688543
CIE Lab	87.48, -4.51, -2.10
CIE LCh	87, 4.976, 204.995
Yxy	70.9802, 0.3023, 0.3279
Android (android.graphics.Color)	4291878623 (0xFFD0DEDF)
YUV	217.9280, 2.5005, -8.7069
Hunter-Lab	84.2497, -8.7923, 2.6402

# Details

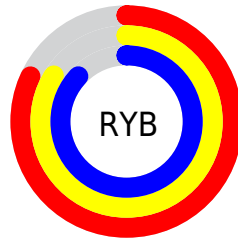
The Yxy color **70.9802, 0.3023, 0.3279** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.7893, 0.3240, 0.3301**, and the grayscale version is **70.0410, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.3346, 0.3001, 0.3275** is the 20% darker color. If you saturate the color by 10%, you get **67.2236, 0.2874, 0.3262**, and if you desaturate by 10%, it is **75.2035, 0.3178, 0.3295**.

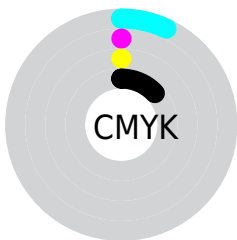
# Distribution



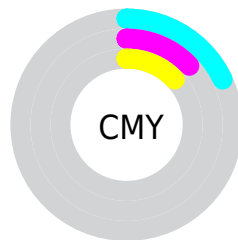
- Red (82%)
- Green (87%)
- Blue (87%)



- Red (82%)
- Yellow (84%)
- Blue (87%)



- Cyan (7%)
- Magenta (0%)
- Yellow (0%)
- Black (13%)



- Cyan (18%)
- Magenta (13%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.9802, 0.3023, 0.3279 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 70.9802, 0.3023, 0.3279 by changing the saturation by 10% instead.



■ 70.9802, 0.3023,  
0.3279

■ 70.9802, 0.3023,  
0.3279

463.9842, 0.3071,  
0.3284

■ 52.3260, 0.3012,  
0.3278

120.6055, 0.3040,  
0.3281

■ 37.2650, 0.2998,  
0.3276

152.3455, 0.3046,  
0.3282

■ 25.4128, 0.2981,  
0.3274

189.2162, 0.3052,  
0.3282

■ 16.3848, 0.2958,  
0.3271

231.6020, 0.3057,  
0.3283

■ 9.7969, 0.2927,  
0.3267

279.8873, 0.3061,  
0.3283

■ 5.2645, 0.2881,  
0.3261

334.4565, 0.3065,

■ 2.4033, 0.2809,

0.3284

395.6940, 0.3068,  
0.3284

0.3251

0.8276, 0.2648,  
0.3240

0.0000, 0.0000,  
0.0000

70.9802, 0.3023,  
0.3279

70.9802, 0.3023,  
0.3279

67.2236, 0.2874,  
0.3262

75.2035, 0.3178,  
0.3295

63.9059, 0.2734,  
0.3243

79.9022, 0.3336,  
0.3310

61.0099, 0.2605,  
0.3223

81.1377, 0.3352,  
0.3324

58.5136, 0.2492,  
0.3202

81.9159, 0.3350,  
0.3338

■ 56.3935, 0.2395,  
0.3181

■ 82.7005, 0.3348,  
0.3352

■ 54.6232, 0.2317,  
0.3159

■ 83.4916, 0.3347,  
0.3366

■ 53.1728, 0.2259,  
0.3137

■ 84.2891, 0.3345,  
0.3380

■ 52.0076, 0.2219,  
0.3115

■ 85.0932, 0.3343,  
0.3394

■ 51.0829, 0.2196,  
0.3094

■ 85.9037, 0.3341,  
0.3408

# Harmonies

## Analogous

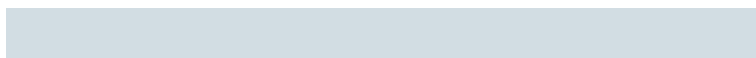
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.9802, 0.3064, 0.3333



70.9802, 0.3023, 0.3279



70.9802, 0.3010, 0.3228

# Triad

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



70.9802, 0.3023, 0.3279



70.9802, 0.3132, 0.3206



70.9802, 0.3227, 0.3385

# Complementary

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



70.9802, 0.3023, 0.3279



65.7893, 0.3240, 0.3301

# 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.



70.9802, 0.3246, 0.3350



70.9802, 0.3023, 0.3279



70.9802, 0.3191, 0.3247

# Square

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



70.9802, 0.3023, 0.3279



70.9802, 0.3072, 0.3187



70.9802, 0.3233, 0.3300



70.9802, 0.3182, 0.3395

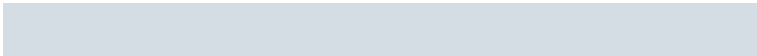


# Rectangle

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



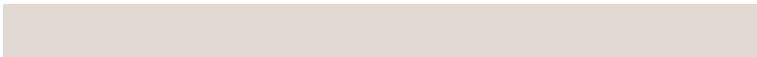
70.9802, 0.3023, 0.3279



70.9802, 0.3019, 0.3204



70.9802, 0.3233, 0.3300



70.9802, 0.3237, 0.3376

# Sweetspot

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



70.9832, 0.3023, 0.3279



98.8381, 0.3096, 0.3287



70.7560, 0.3114, 0.3451



21.1676, 0.3097, 0.3287



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

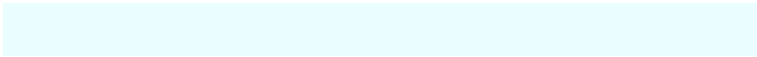


# Same Dimension

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



70.9832, 0.3023, 0.3279



95.5066, 0.3003, 0.3277



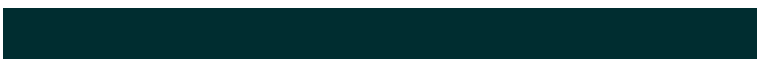
67.1819, 0.3024, 0.3197



15.4147, 0.2982, 0.3274



29.9439, 0.2192, 0.3091



2.1214, 0.2201, 0.3123



# Inverse Universe

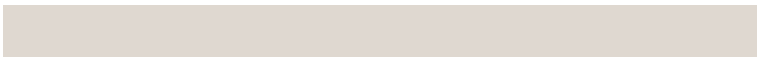
The Inverse Universe completely reimagines the original color for something new.



66.0441, 0.3142, 0.3136



87.5843, 0.3144, 0.3106



69.4582, 0.3233, 0.3381



13.9198, 0.3148, 0.3073



11.9309, 0.3375, 0.1633

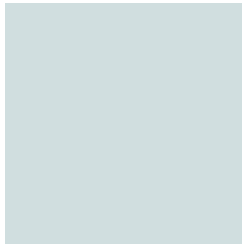


0.8316, 0.3347, 0.1618



# Previews

## White Background



This preview shows how the Yxy color 70.9802, 0.3023, 0.3279 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

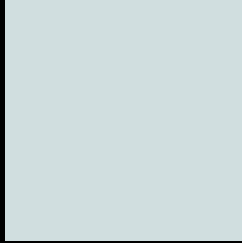
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.9802, 0.3023, 0.3279 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

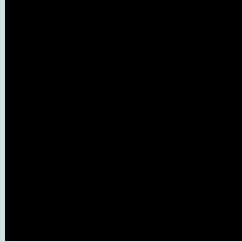
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

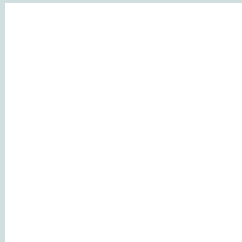
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.9802, 0.3023, 0.3279**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.9802, 0.3023, 0.3279.



This preview shows how white text looks on a background with the Yxy color 70.9802, 0.3023, 0.3279.

# 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

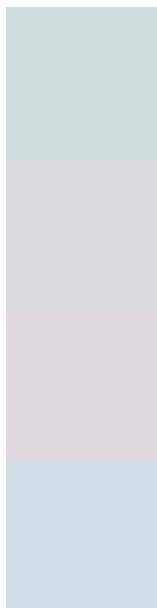




## Tritanopia

71.0025, 0.2949, 0.3104

# Trichromacy



## Original Color

70.9802, 0.3023, 0.3279

## Protanomaly

70.6887, 0.3093, 0.3257

## Deuteranomaly

70.6623, 0.3146, 0.3204

## Tritanomaly

71.0944, 0.2974, 0.3169

# Monochromacy



## Original Color

70.9802, 0.3023, 0.3279

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

70.1265, 0.3085, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.9802, 0.3023, 0.3279 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(208, 222, 223) looks like.

```
.text, #text, p{  
    color:rgb(208, 222, 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(208, 222, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 222, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 70.9802, 0.3023, 0.3279 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(208, 222, 223) }
```

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

```
.border{ border-color:rgb(208, 222, 223) }
```

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

Here you see how a box with a 4 pixel rgb(208, 222, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 222, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 222, 223);  
box-shadow:4px 4px 4px 4px rgb(208, 222,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.9802, 0.3023, 0.3279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 222, 223) }
```

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

```
.background{ background-color: rgb(208,  
222, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor