

Converting Colors

$Yxy(70.7905, 0.2870, 0.3236)$

Have a look what the booklet for
Yxy(70.7905, 0.2870, 0.3236)
contains.

Yxy(70.6400, 0.2869, 0.3233)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.6400, 0.2869, 0.3233)

Conversions

Conversions Part 1

Format	Color
Hex	BFE1E6
RGB	191, 225, 230
RGB Percent	75%, 88%, 90%
CMY	0.2510, 0.1176, 0.0982
CMYK	0.17, 0.02, 0.00, 0.10
HSL	188°, 44%, 83%
HSV	188°, 17%, 90%
XYZ	62.6867, 70.6400, 85.1700
YIQ	215.4040, -21.8690, -5.6530

Conversions

Conversions Part 2

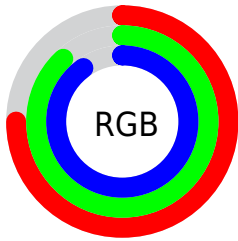
Format	Color
R _Y B	191, 209, 230
Decimal	12575206
CIE Lab	87.31, -10.07, -6.16
CIE LCh	87, 11.807, 211.433
Yxy	70.6400, 0.2869, 0.3233
Android (android.graphics.Color)	4290765286 (0xFFBFE1E6)
YUV	215.4040, 7.1958, -21.4023
Hunter-Lab	84.0476, -13.9495, -1.2485

Details

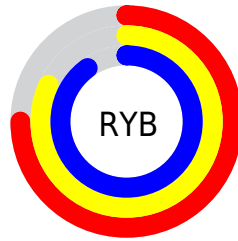
The Yxy color **70.6400, 0.2869, 0.3233** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **60.0311, 0.3442, 0.3346**, and the grayscale version is **68.2030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **37.1630, 0.2805, 0.3214** is the 20% darker color. If you saturate the color by 10%, you get **66.3247, 0.2726, 0.3196**, and if you desaturate by 10%, it is **75.4563, 0.3020, 0.3268**.

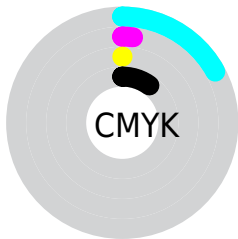
Distribution



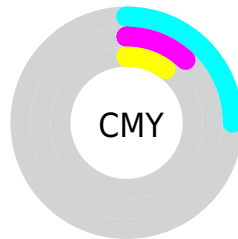
- Red (75%)
- Green (88%)
- Blue (90%)



- Red (75%)
- Yellow (82%)
- Blue (90%)



- Cyan (17%)
- Magenta (2%)
- Yellow (0%)
- Black (10%)




- Cyan (25%)
- Magenta (12%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.6400, 0.2869, 0.3233 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 70.6400, 0.2869, 0.3233 by changing the saturation by 10% instead.

 70.6400, 0.2869,
0.3233

 70.6400, 0.2869,
0.3233


462.7940, 0.2988,
0.3261

 52.0485, 0.2842,
0.3226


 120.1210, 0.2910,
0.3243

 37.0437, 0.2808,
0.3218


151.7792, 0.2926,
0.3247

 25.2413, 0.2766,
0.3207


188.5618, 0.2940,
0.3250

 16.2569, 0.2710,
0.3192

230.8532, 0.2952,
0.3253

 9.7062, 0.2635,
0.3171

279.0377, 0.2963,
0.3255

 5.2046, 0.2526,
0.3139

333.4997, 0.2972,

 2.3678, 0.2357,

0.3257

0.3084

394.6237, 0.2981,
0.3259

0.8092, 0.1947,
0.3011

0.0000, 0.0000,
0.0000

70.6400, 0.2869,
0.3233

70.6400, 0.2869,
0.3233

66.3247, 0.2726,
0.3196

75.4563, 0.3020,
0.3268

62.4797, 0.2592,
0.3155

80.7854, 0.3175,
0.3299

59.0842, 0.2472,
0.3113

85.6940, 0.3297,
0.3328

56.1126, 0.2369,
0.3070

87.3704, 0.3293,
0.3357

■ 53.5362, 0.2283,
0.3025

■ 89.0745, 0.3290,
0.3385

■ 51.3226, 0.2216,
0.2980

■ 90.8063, 0.3287,
0.3414

■ 49.4340, 0.2169,
0.2935

■ 92.5659, 0.3284,
0.3442

■ 47.8214, 0.2140,
0.2891

■ 94.3535, 0.3281,
0.3470

■ 47.3604, 0.2133,
0.2877

■ 96.1692, 0.3278,
0.3498

Harmonies

Analogous

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



70.6400, 0.2951, 0.3366



70.6400, 0.2869, 0.3233



70.6400, 0.2854, 0.3120

Triad

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



70.6400, 0.2869, 0.3233



70.6400, 0.3169, 0.3111



70.6400, 0.3346, 0.3527

Complementary

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



70.6400, 0.2869, 0.3233



60.0311, 0.3442, 0.3346

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.



70.6400, 0.3408, 0.3452



70.6400, 0.2869, 0.3233



70.6400, 0.3304, 0.3214

Square

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



70.6400, 0.2869, 0.3233



70.6400, 0.3025, 0.3054



70.6400, 0.3392, 0.3338



70.6400, 0.3226, 0.3539

Rectangle

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



70.6400, 0.2869, 0.3233



70.6400, 0.2884, 0.3071



70.6400, 0.3392, 0.3338



70.6400, 0.3374, 0.3508

Sweetspot

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



70.6429, 0.2869, 0.3233



96.6317, 0.3049, 0.3274



71.6148, 0.3078, 0.3693



20.5847, 0.3038, 0.3272



0.0000, 0.0000, 0.0000



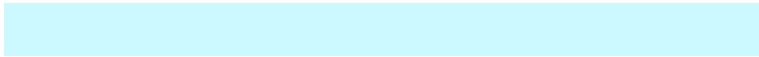
21.4041, 0.3127, 0.3290

Same Dimension

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



70.6429, 0.2869, 0.3233



87.5101, 0.2823, 0.3221



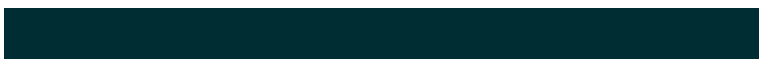
60.8933, 0.2858, 0.3011



16.0072, 0.2982, 0.3259



26.9468, 0.2135, 0.2884



2.0791, 0.2153, 0.2949

Inverse Universe

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



59.5089, 0.3184, 0.2922



71.2551, 0.3196, 0.2852



69.1920, 0.3408, 0.3554



14.5820, 0.3157, 0.3087



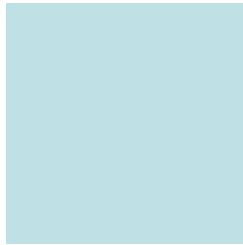
11.9180, 0.3557, 0.1733



0.8896, 0.3499, 0.1701

Previews

White Background



This preview shows how the Yxy color 70.6400, 0.2869, 0.3233 looks on a white background.

Color Contrast Check

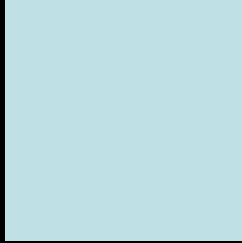
Large Text (above 18pt) WCAG AA × Fail

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 70.6400, 0.2869, 0.3233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

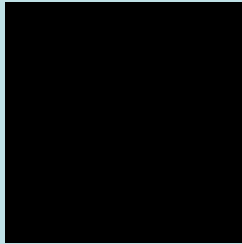
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

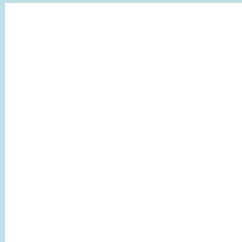
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.6400, 0.2869, 0.3233

Background



This preview shows how black text looks on a background with the Yxy color 70.6400, 0.2869, 0.3233.

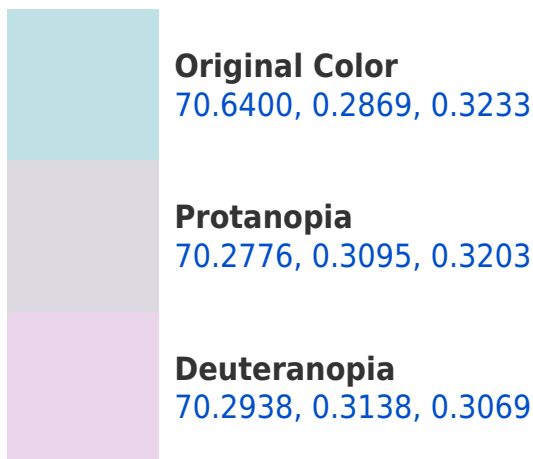


This preview shows how white text looks on a background with the Yxy color 70.6400, 0.2869, 0.3233.

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

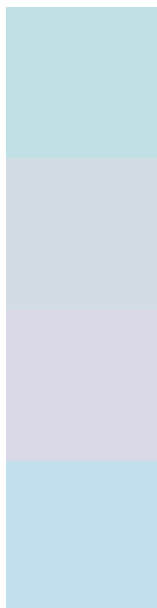




Tritanopia

70.4637, 0.2816, 0.3088

Trichromacy



Original Color

70.6400, 0.2869, 0.3233

Protanomaly

70.2878, 0.3005, 0.3212

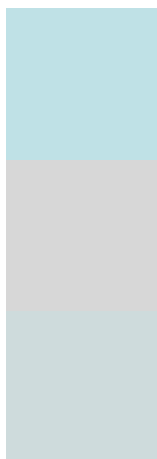
Deuteranomaly

70.3573, 0.3036, 0.3127

Tritanomaly

70.6322, 0.2834, 0.3143

Monochromacy



Original Color

70.6400, 0.2869, 0.3233

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.9522, 0.3029, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6400, 0.2869, 0.3233 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(191, 225, 230)` looks like.

```
.text, #text, p{  
    color:rgb(191, 225, 230)  
}
```

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(191, 225, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 225, 230) }
```

Border

The CSS property to change the border of an element to Yxy 70.6400, 0.2869, 0.3233 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(191, 225, 230) }
```

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

```
.border{ border-color:rgb(191, 225, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 225, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 225, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 225, 230);  
box-shadow:4px 4px 4px 4px rgb(191, 225,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6400, 0.2869, 0.3233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 225, 230) }
```

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

```
.background{ background-color: rgb(191,  
225, 230) }
```

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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