

Converting Colors

$Y_{xy}(70.7387, 0.3085, 0.3276)$

Have a look what the booklet for
Yxy(70.7387, 0.3085, 0.3276)
contains.

Yxy(70.8539, 0.3085, 0.3279)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.8539, 0.3085, 0.3279)

Conversions

Conversions Part 1

Format	Color
Hex	D7DCDD
RGB	215, 220, 221
RGB Percent	84%, 86%, 87%
CMY	0.1570, 0.1372, 0.1333
CMYK	0.03, 0.00, 0.00, 0.13
HSL	190°, 8%, 85%
HSV	190°, 3%, 87%
XYZ	66.6619, 70.8539, 78.5681
YIQ	218.6190, -3.3010, -0.7490

Conversions

Conversions Part 2

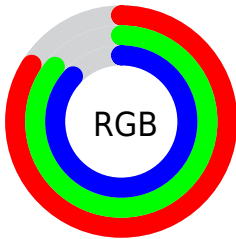
Format	Color
R _Y B	215, 218, 221
Decimal	14146781
CIE Lab	87.41, -1.51, -1.09
CIE LCh	87, 1.862, 215.739
Yxy	70.8539, 0.3085, 0.3279
Android (android.graphics.Color)	4292336861 (0xFFD7DCDD)
YUV	218.6190, 1.1738, -3.1739
Hunter-Lab	84.1748, -5.9434, 3.5815

Details

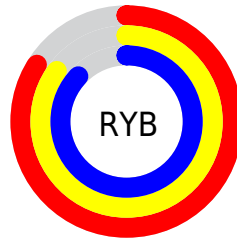
The Yxy color **70.8539, 0.3085, 0.3279** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.3667, 0.3171, 0.3301**, and the grayscale version is **70.5531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.1370, 0.3072, 0.3275** is the 20% darker color. If you saturate the color by 10%, you get **65.8581, 0.2932, 0.3236**, and if you desaturate by 10%, it is **76.3487, 0.3240, 0.3318**.

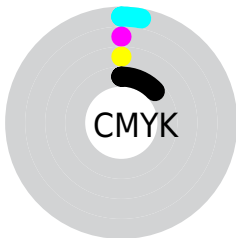
Distribution



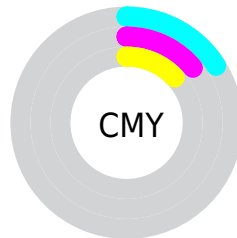
- Red (84%)
- Green (86%)
- Blue (87%)



- Red (84%)
- Yellow (85%)
- Blue (87%)



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



- Cyan (16%)
- Magenta (14%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.8539, 0.3085, 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 70.8539, 0.3085, 0.3279 by changing the saturation by 10% instead.

■ 70.8539, 0.3085,
0.3279

■ 70.8539, 0.3085,
0.3279

463.5425, 0.3105,
0.3284

■ 52.2230, 0.3080,
0.3278

120.4257, 0.3092,
0.3281

■ 37.1828, 0.3075,
0.3276

152.1353, 0.3094,
0.3282

■ 25.3491, 0.3068,
0.3274

188.9733, 0.3097,
0.3282

■ 16.3373, 0.3058,
0.3272

231.3241, 0.3099,
0.3283

■ 9.7632, 0.3046,
0.3268

279.5720, 0.3100,
0.3283

■ 5.2422, 0.3027,
0.3263

334.1014, 0.3102,

■ 2.3901, 0.2997,

0.3284

395.2968, 0.3103,
0.3284

0.3255

0.8208, 0.2933,
0.3239

0.0000, 0.0000,
0.0000

70.8539, 0.3085,
0.3279

70.8539, 0.3085,
0.3279

65.8581, 0.2932,
0.3236

76.3487, 0.3240,
0.3318

61.3339, 0.2784,
0.3190

81.5508, 0.3364,
0.3353

57.2649, 0.2644,
0.3139

83.5513, 0.3359,
0.3389

53.6302, 0.2515,
0.3086

85.5935, 0.3355,
0.3424

■ 50.4072, 0.2400,
0.3030

■ 87.6777, 0.3350,
0.3460

■ 47.5709, 0.2301,
0.2972

■ 89.8041, 0.3345,
0.3495

■ 45.0935, 0.2221,
0.2913

■ 91.9731, 0.3340,
0.3530

■ 42.9428, 0.2161,
0.2855

■ 94.1848, 0.3335,
0.3564

■ 41.0803, 0.2120,
0.2796

■ 96.4394, 0.3331,
0.3598

Harmonies

Analogous

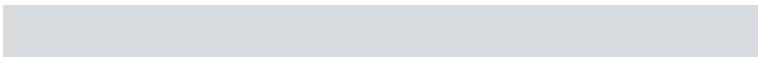
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.8539, 0.3097, 0.3299



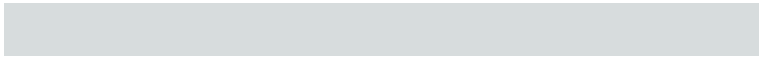
70.8539, 0.3085, 0.3279



70.8539, 0.3084, 0.3262

Triad

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



70.8539, 0.3085, 0.3279



70.8539, 0.3137, 0.3263



70.8539, 0.3160, 0.3328

Complementary

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



70.8539, 0.3085, 0.3279



69.3667, 0.3171, 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.



70.8539, 0.3170, 0.3319



70.8539, 0.3085, 0.3279



70.8539, 0.3158, 0.3281

Square

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



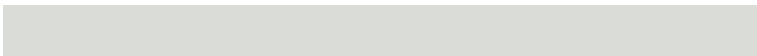
70.8539, 0.3085, 0.3279



70.8539, 0.3114, 0.3253



70.8539, 0.3170, 0.3301



70.8539, 0.3140, 0.3328

Rectangle

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



70.8539, 0.3085, 0.3279



70.8539, 0.3090, 0.3254



70.8539, 0.3170, 0.3301



70.8539, 0.3164, 0.3326

Sweetspot

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



70.8569, 0.3085, 0.3279



99.2538, 0.3112, 0.3286



71.1069, 0.3118, 0.3347



21.2523, 0.3112, 0.3286



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

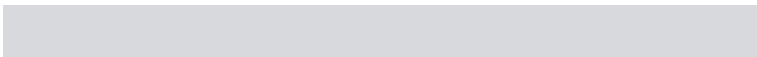
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.8569, 0.3085, 0.3279



97.7823, 0.3080, 0.3278



69.3308, 0.3086, 0.3247



15.0604, 0.3069, 0.3275



23.2975, 0.2101, 0.2763



1.6081, 0.2127, 0.2858

Inverse Universe

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



69.1264, 0.3137, 0.3235



95.1355, 0.3138, 0.3229



70.8825, 0.3169, 0.3333



14.5523, 0.3141, 0.3214



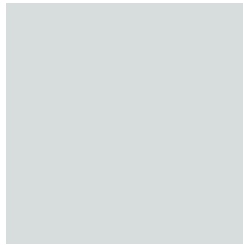
10.9757, 0.3669, 0.1795



0.7210, 0.3582, 0.1747

Previews

White Background



This preview shows how the Yxy color 70.8539, 0.3085, 0.3279 looks on a white background.

Color Contrast Check

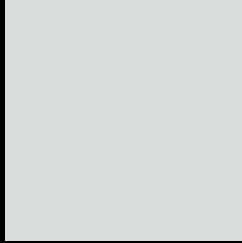
Large Text (above 18pt) WCAG AA × Fail

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 70.8539, 0.3085, 0.3279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

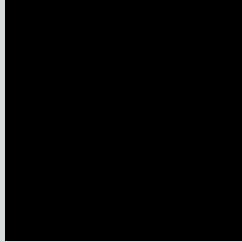
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

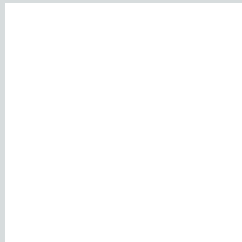
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.8539, 0.3085, 0.3279

Background



This preview shows how black text looks on a background with the Yxy color 70.8539, 0.3085, 0.3279.

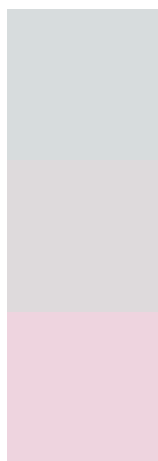


This preview shows how white text looks on a background with the Yxy color 70.8539, 0.3085, 0.3279.

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



Original Color

70.8539, 0.3085, 0.3279

Protanopia

70.8397, 0.3143, 0.3268

Deuteranopia

70.5918, 0.3244, 0.3175



Tritanopia

70.8927, 0.3009, 0.3106

Trichromacy



Original Color

70.8539, 0.3085, 0.3279

Protanomaly

70.8904, 0.3121, 0.3279

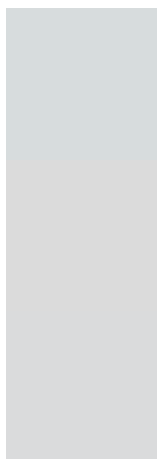
Deuteranomaly

70.6978, 0.3189, 0.3215

Tritanomaly

70.9751, 0.3034, 0.3170

Monochromacy



Original Color

70.8539, 0.3085, 0.3279

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

70.7358, 0.3113, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8539, 0.3085, 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(215, 220, 221)` looks like.

```
.text, #text, p{  
    color:rgb(215, 220, 221)  
}
```

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(215, 220, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 220, 221) }
```

Border

The CSS property to change the border of an element to Yxy 70.8539, 0.3085, 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(215, 220, 221) }
```

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

```
.border{ border-color:rgb(215, 220, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 220, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 220, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 220, 221);  
box-shadow:4px 4px 4px 4px rgb(215, 220,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8539, 0.3085, 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(215, 220, 221) }
```

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

```
.background{ background-color: rgb(215,  
220, 221) }
```

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