

Converting Colors

$Yxy(69.8795, 0.2938, 0.3185)$

Have a look what the booklet for
Yxy(69.8795, 0.2938, 0.3185)
contains.

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Color

Yxy(69.9826, 0.2939, 0.3189)

Conversions

Conversions Part 1

Format	Color
Hex	CADDE6
RGB	202, 221, 230
RGB Percent	79%, 87%, 90%
CMY	0.2078, 0.1333, 0.0980
CMYK	0.12, 0.04, 0.00, 0.10
HSL	199°, 36%, 85%
HSV	199°, 12%, 90%
XYZ	64.4964, 69.9826, 84.9710
YIQ	216.3450, -14.2130, -1.2290

Conversions

Conversions Part 2

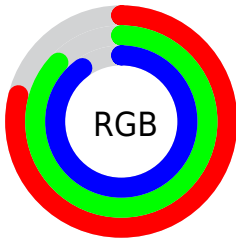
Format	Color
R _{YB}	202, 213, 230
Decimal	13295078
CIE Lab	86.99, -4.54, -6.57
CIE LCh	87, 7.984, 235.346
Yxy	69.9826, 0.2939, 0.3189
Android (android.graphics.Color)	4291485158 (0xFFCADDE6)
YUV	216.3450, 6.7319, -12.5806
Hunter-Lab	83.6556, -8.7783, -1.6634

Details

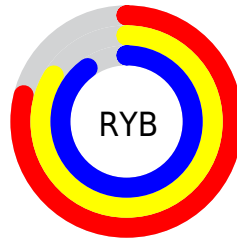
The Yxy color **69.9826, 0.2939, 0.3189** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.6748, 0.3334, 0.3389**, and the grayscale version is **68.8790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.6635, 0.2893, 0.3158** is the 20% darker color. If you saturate the color by 10%, you get **63.1957, 0.2784, 0.3097**, and if you desaturate by 10%, it is **77.4253, 0.3094, 0.3273**.

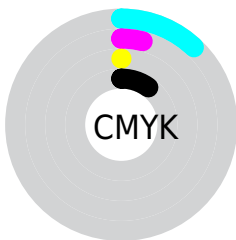
Distribution



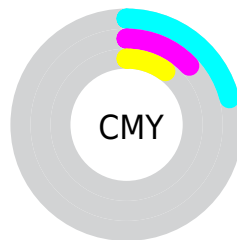
- Red (79%)
- Green (87%)
- Blue (90%)



- Red (79%)
- Yellow (84%)
- Blue (90%)



- Cyan (12%)
- Magenta (4%)
- Yellow (0%)
- Black (10%)



- Cyan (21%)
- Magenta (13%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.9826, 0.2939, 0.3189 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 69.9826, 0.2939, 0.3189 by changing the saturation by 10% instead.

■ 69.9826, 0.2939,
0.3189

■ 69.9826, 0.2939,
0.3189

460.4889, 0.3026,
0.3237

■ 51.5124, 0.2919,
0.3178

119.1839, 0.2969,
0.3206

■ 36.6165, 0.2894,
0.3164

150.6838, 0.2981,
0.3212

■ 24.9107, 0.2863,
0.3146

187.2957, 0.2991,
0.3218

■ 16.0106, 0.2822,
0.3123

229.4040, 0.3000,
0.3223

■ 9.5316, 0.2766,
0.3090

277.3930, 0.3008,
0.3227

■ 5.0895, 0.2684,
0.3042

331.6473, 0.3015,

■ 2.2999, 0.2556,

0.3230

0.2964

392.5511, 0.3021,
0.3234

0.7737, 0.2279,
0.2823

0.0000, 0.0000,
0.0000

69.9826, 0.2939,
0.3189

69.9826, 0.2939,
0.3189

63.1957, 0.2784,
0.3097

77.4253, 0.3094,
0.3273

57.0325, 0.2633,
0.2996

85.5368, 0.3246,
0.3348

51.4712, 0.2487,
0.2887

91.1787, 0.3286,
0.3419

46.4847, 0.2352,
0.2772

95.6954, 0.3278,
0.3490

■ 42.0439, 0.2231,
0.2652

■ 98.4932, 0.3274,
0.3532

■ 38.1159, 0.2127,
0.2529

■ 34.6637, 0.2043,
0.2405

■ 31.6427, 0.1979,
0.2283

■ 29.5249, 0.1941,
0.2189

Harmonies

Analogous

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



69.9826, 0.2959, 0.3270



69.9826, 0.2939, 0.3189



69.9826, 0.2968, 0.3137

Triad

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



69.9826, 0.2939, 0.3189



69.9826, 0.3230, 0.3222



69.9826, 0.3213, 0.3460

Complementary

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



69.9826, 0.2939, 0.3189



67.6748, 0.3334, 0.3389

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.



69.9826, 0.3288, 0.3444



69.9826, 0.2939, 0.3189



69.9826, 0.3298, 0.3306

Square

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



69.9826, 0.2939, 0.3189



69.9826, 0.3136, 0.3157



69.9826, 0.3319, 0.3387



69.9826, 0.3117, 0.3429

Rectangle

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



69.9826, 0.2939, 0.3189



69.9826, 0.3012, 0.3124



69.9826, 0.3319, 0.3387



69.9826, 0.3242, 0.3460

Sweetspot

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



69.9855, 0.2939, 0.3189



96.0434, 0.3065, 0.3258



73.8474, 0.3057, 0.3506



20.4012, 0.3054, 0.3252



0.0000, 0.0000, 0.0000



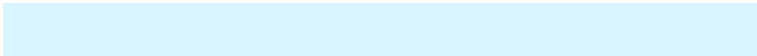
21.4041, 0.3127, 0.3290

Same Dimension

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



69.9855, 0.2939, 0.3189



85.8615, 0.2894, 0.3163



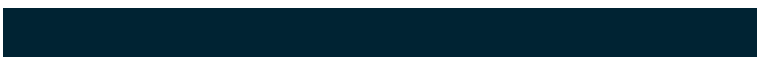
62.9611, 0.2936, 0.3031



15.5146, 0.2981, 0.3213



16.9456, 0.1947, 0.2208



1.4185, 0.1996, 0.2384

Inverse Universe

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



64.2857, 0.3206, 0.3085



77.2105, 0.3227, 0.3034



74.8663, 0.3316, 0.3537



14.5323, 0.3187, 0.3132



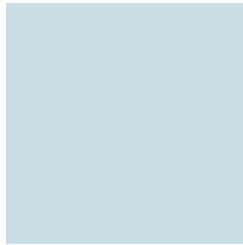
10.9084, 0.4224, 0.2101



0.8229, 0.4039, 0.1999

Previews

White Background



This preview shows how the Yxy color 69.9826, 0.2939, 0.3189 looks on a white background.

Color Contrast Check

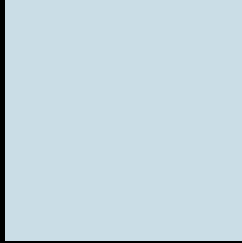
Large Text (above 18pt) WCAG AA × Fail

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 69.9826, 0.2939, 0.3189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

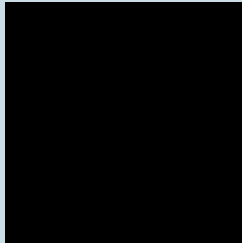
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

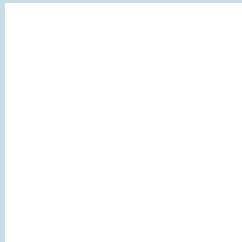
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.9826, 0.2939, 0.3189

Background



This preview shows how black text looks on a background with the Yxy color 69.9826, 0.2939, 0.3189.



This preview shows how white text looks on a background with the Yxy color 69.9826, 0.2939, 0.3189.

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

69.9826, 0.2939, 0.3189

Protanopia

69.7179, 0.3075, 0.3170

Deuteranopia

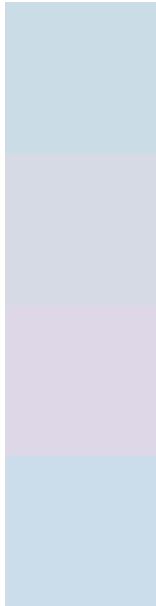
69.5705, 0.3138, 0.3068



Tritanopia

69.9973, 0.2903, 0.3102

Trichromacy



Original Color

69.9826, 0.2939, 0.3189

Protanomaly

69.8904, 0.3026, 0.3180

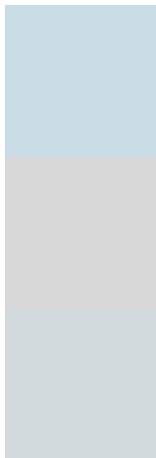
Deuteranomaly

69.7426, 0.3064, 0.3117

Tritanomaly

69.8234, 0.2921, 0.3134

Monochromacy



Original Color

69.9826, 0.2939, 0.3189

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.2121, 0.3058, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.9826, 0.2939, 0.3189 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(202, 221, 230)` looks like.

```
.text, #text, p{  
    color:rgb(202, 221, 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(202, 221, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 221, 230) }
```

Border

The CSS property to change the border of an element to Yxy 69.9826, 0.2939, 0.3189 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(202, 221, 230) }
```

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

```
.border{ border-color:rgb(202, 221, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 221, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 221, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 221, 230);  
box-shadow:4px 4px 4px 4px rgb(202, 221,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 69.9826, 0.2939, 0.3189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 221, 230) }
```

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

```
.background{ background-color: rgb(202,  
221, 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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