

Converting Colors

$Yxy(68.9236, 0.2949, 0.3035)$

Have a look what the booklet for
Yxy(68.9236, 0.2949, 0.3035)
contains.

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Color

Yxy(68.8299, 0.2949, 0.3028)

Conversions

Conversions Part 1

Format	Color
Hex	D4D7EF
RGB	212, 215, 239
RGB Percent	83%, 84%, 94%
CMY	0.1687, 0.1568, 0.0626
CMYK	0.11, 0.10, 0.00, 0.06
HSL	233°, 46%, 88%
HSV	233°, 11%, 94%
XYZ	67.0341, 68.8299, 91.4474
YIQ	216.8390, -9.4920, 6.8280

Conversions

Conversions Part 2

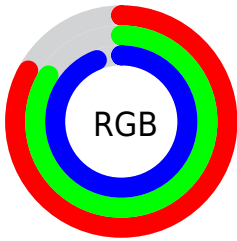
Format	Color
R _Y B	212, 215, 239
Decimal	13948911
CIE Lab	86.42, 3.60, -12.11
CIE LCh	86, 12.636, 286.552
Yxy	68.8299, 0.2949, 0.3028
Android (android.graphics.Color)	4292138991 (0xFFD4D7EF)
YUV	216.8390, 10.9254, -4.2438
Hunter-Lab	82.9638, -0.9599, -7.2781

Details

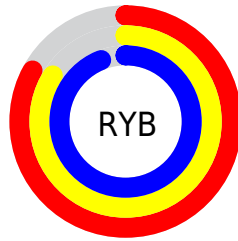
The Yxy color **68.8299, 0.2949, 0.3028** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **83.1198, 0.3300, 0.3539**, and the grayscale version is **69.2026, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.7286, 0.2904, 0.2963** is the 20% darker color. If you saturate the color by 10%, you get **55.4147, 0.2773, 0.2764**, and if you desaturate by 10%, it is **84.1812, 0.3108, 0.3261**.

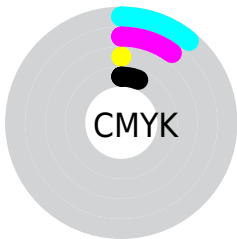
Distribution



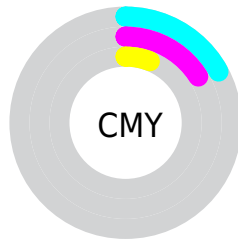
- Red (83%)
- Green (84%)
- Blue (94%)



- Red (83%)
- Yellow (84%)
- Blue (94%)



- Cyan (11%)
- Magenta (10%)
- Yellow (0%)
- Black (6%)



- Cyan (17%)
- Magenta (16%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.8299, 0.2949, 0.3028 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 68.8299, 0.2949, 0.3028 by changing the saturation by 10% instead.

■ 68.8299, 0.2949,
0.3028

■ 68.8299, 0.2949,
0.3028

456.4308, 0.3032,
0.3149

■ 50.5732, 0.2930,
0.3000

117.5386, 0.2978,
0.3070

■ 35.8691, 0.2906,
0.2966

148.7594, 0.2989,
0.3086

■ 24.3331, 0.2875,
0.2923

185.0703, 0.2999,
0.3100

■ 15.5809, 0.2835,
0.2867

226.8557, 0.3007,
0.3113

■ 9.2281, 0.2780,
0.2790

274.5001, 0.3015,
0.3124

■ 4.8902, 0.2700,
0.2680

328.3878, 0.3021,

■ 2.1830, 0.2573,

0.3133

0.2508

388.9033, 0.3027,
0.3142

0.7107, 0.2345,
0.2184

0.0000, 0.0000,
0.0000

68.8299, 0.2949,
0.3028

68.8299, 0.2949,
0.3028

55.4147, 0.2773,
0.2764

84.1812, 0.3108,
0.3261

43.8503, 0.2581,
0.2472

99.0146, 0.3220,
0.3444

34.0577, 0.2379,
0.2157

25.9489, 0.2173,
0.1829

■ 19.4284, 0.1976,
0.1506

■ 14.3909, 0.1801,
0.1207

■ 10.7183, 0.1661,
0.0956

■ 8.2739, 0.1566,
0.0770

■ 7.0018, 0.1518,
0.0666

Harmonies

Analogous

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



68.8299, 0.2854, 0.3064



68.8299, 0.2949, 0.3028



68.8299, 0.3093, 0.3059

Triad

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



68.8299, 0.2949, 0.3028



68.8299, 0.3433, 0.3407



68.8299, 0.3002, 0.3438

Complementary

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



68.8299, 0.2949, 0.3028



83.1198, 0.3300, 0.3539

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.



68.8299, 0.3155, 0.3536



68.8299, 0.2949, 0.3028



68.8299, 0.3406, 0.3513

Square

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



68.8299, 0.2949, 0.3028



68.8299, 0.3375, 0.3274



68.8299, 0.3304, 0.3562



68.8299, 0.2885, 0.3299

Rectangle

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



68.8299, 0.2949, 0.3028



68.8299, 0.3199, 0.3113



68.8299, 0.3304, 0.3562



68.8299, 0.3051, 0.3477

Sweetspot

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



68.8328, 0.2949, 0.3028



94.3172, 0.3082, 0.3224



81.8043, 0.2972, 0.3323



19.8703, 0.3070, 0.3206



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.



68.8328, 0.2949, 0.3028



75.2505, 0.2903, 0.2959



68.9027, 0.3021, 0.3001



15.5122, 0.2980, 0.3073



3.9605, 0.1522, 0.0680



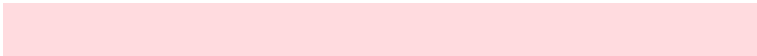
0.4222, 0.1568, 0.0844

Inverse Universe

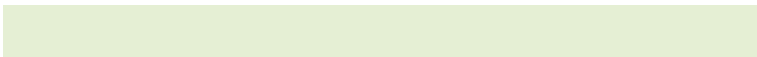
The Inverse Universe completely reimagines the original color for something new.



70.3465, 0.3308, 0.3259



77.4224, 0.3359, 0.3251



83.1165, 0.3225, 0.3576



15.7875, 0.3276, 0.3264



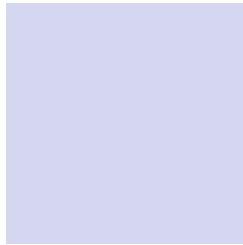
10.1932, 0.6266, 0.3225



0.8573, 0.5999, 0.3078

Previews

White Background



This preview shows how the Yxy color 68.8299, 0.2949, 0.3028 looks on a white background.

Color Contrast Check

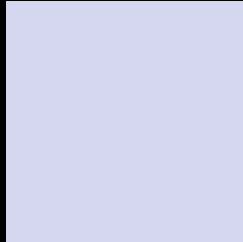
Large Text (above 18pt) WCAG AA × Fail

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 68.8299, 0.2949, 0.3028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

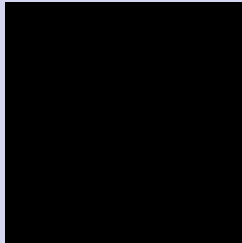
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.8299, 0.2949, 0.3028

Background



This preview shows how black text looks on a background with the Yxy color 68.8299, 0.2949, 0.3028.

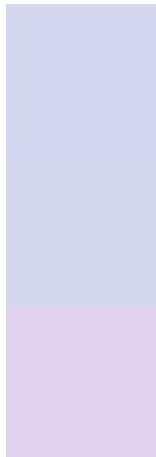


This preview shows how white text looks on a background with the Yxy color 68.8299, 0.2949, 0.3028.

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

68.8299, 0.2949, 0.3028

Protanopia

68.9790, 0.2956, 0.3029

Deuteranopia

68.5532, 0.3041, 0.2972



Tritanopia

68.8438, 0.2981, 0.3103

Trichromacy



Original Color

68.8299, 0.2949, 0.3028

Protanomaly

68.9790, 0.2956, 0.3029

Deuteranomaly

68.7504, 0.3005, 0.2990

Tritanomaly

68.9588, 0.2968, 0.3082

Monochromacy



Original Color

68.8299, 0.2949, 0.3028

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

68.9950, 0.3060, 0.3191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8299, 0.2949, 0.3028 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(212, 215, 239)` looks like.

```
.text, #text, p{  
    color:rgb(212, 215, 239)  
}
```

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(212, 215, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 215, 239) }
```

Border

The CSS property to change the border of an element to Yxy 68.8299, 0.2949, 0.3028 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(212, 215, 239) }
```

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

```
.border{ border-color:rgb(212, 215, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 215, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 215, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 215, 239);  
box-shadow:4px 4px 4px 4px rgb(212, 215,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8299, 0.2949, 0.3028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 215, 239) }
```

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

```
.background{ background-color: rgb(212,  
215, 239) }
```

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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