

Converting Colors

$Yxy(67.8175, 0.2949, 0.3006)$

Have a look what the booklet for
Yxy(67.8175, 0.2949, 0.3006)
contains.

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Color

Yxy(67.8175, 0.2949, 0.3006)

Conversions

Conversions Part 1

Format	Color
Hex	D4D5EF
RGB	212, 213, 239
RGB Percent	83%, 84%, 94%
CMY	0.1685, 0.1647, 0.0627
CMYK	0.11, 0.11, 0.00, 0.06
HSL	238°, 46%, 88%
HSV	238°, 11%, 94%
XYZ	66.5315, 67.8175, 91.2581
YIQ	215.6650, -8.9420, 7.8740

Conversions

Conversions Part 2

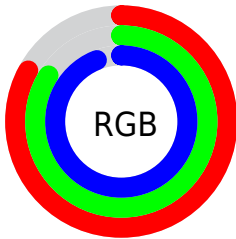
Format	Color
R _Y B	212, 213, 239
Decimal	13948399
CIE Lab	85.92, 4.66, -12.85
CIE LCh	86, 13.671, 289.929
Yxy	67.8175, 0.2949, 0.3006
Android (android.graphics.Color)	4292138479 (0xFFD4D5EF)
YUV	215.6650, 11.5042, -3.2142
Hunter-Lab	82.3514, 0.0949, -8.0565

Details

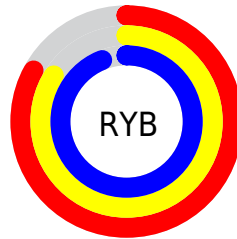
The Yxy color **67.8175, 0.2949, 0.3006** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.2817, 0.3297, 0.3559**, and the grayscale version is **68.3584, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.0407, 0.2903, 0.2933** is the 20% darker color. If you saturate the color by 10%, you get **53.7493, 0.2770, 0.2719**, and if you desaturate by 10%, it is **84.0633, 0.3108, 0.3260**.

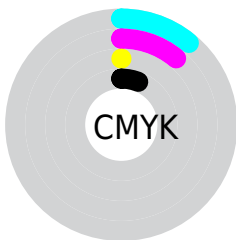
Distribution



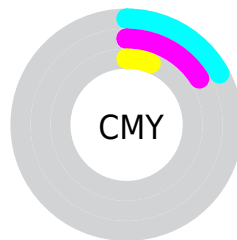
- Red (83%)
- Green (84%)
- Blue (94%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.8175, 0.2949, 0.3006 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 67.8175, 0.2949, 0.3006 by changing the saturation by 10% instead.

■ 67.8175, 0.2949,
0.3006

■ 67.8175, 0.2949,
0.3006

452.8491, 0.3033,
0.3137

■ 49.7493, 0.2930,
0.2976

116.0910, 0.2978,
0.3052

■ 35.2142, 0.2905,
0.2939

147.0651, 0.2990,
0.3069

■ 23.8279, 0.2875,
0.2892

183.1100, 0.2999,
0.3085

■ 15.2060, 0.2834,
0.2831

224.6099, 0.3008,
0.3098

■ 8.9641, 0.2778,
0.2748

271.9494, 0.3015,
0.3110

■ 4.7178, 0.2696,
0.2628

325.5129, 0.3022,

■ 2.0826, 0.2566,

0.3120

0.2442

385.6847, 0.3028,
0.3129

0.6548, 0.2331,
0.2074

0.0000, 0.0000,
0.0000

67.8175, 0.2949,
0.3006

67.8175, 0.2949,
0.3006

53.7493, 0.2770,
0.2719

84.0633, 0.3108,
0.3260

41.7581, 0.2573,
0.2402

99.0131, 0.3220,
0.3444

31.7481, 0.2363,
0.2061

23.6127, 0.2150,
0.1712

■ 17.2351, 0.1946,
0.1375

■ 12.4858, 0.1768,
0.1076

■ 9.2171, 0.1630,
0.0841

■ 7.2546, 0.1543,
0.0686

■ 6.4208, 0.1505,
0.0616

Harmonies

Analogous

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



67.8175, 0.2839, 0.3036



67.8175, 0.2949, 0.3006



67.8175, 0.3109, 0.3048

Triad

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



67.8175, 0.2949, 0.3006



67.8175, 0.3461, 0.3431



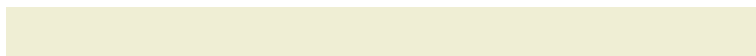
67.8175, 0.2974, 0.3436

Complementary

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



67.8175, 0.2949, 0.3006



84.2817, 0.3297, 0.3559

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.



67.8175, 0.3138, 0.3549



67.8175, 0.2949, 0.3006



67.8175, 0.3422, 0.3542

Square

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



67.8175, 0.2949, 0.3006



67.8175, 0.3408, 0.3289



67.8175, 0.3302, 0.3587



67.8175, 0.2853, 0.3282

Rectangle

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



67.8175, 0.2949, 0.3006



67.8175, 0.3224, 0.3111



67.8175, 0.3302, 0.3587



67.8175, 0.3026, 0.3480

Sweetspot

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



67.8203, 0.2949, 0.3006



93.9634, 0.3082, 0.3218



81.8975, 0.2962, 0.3304



19.7753, 0.3070, 0.3199



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.



67.8203, 0.2949, 0.3006



73.8242, 0.2902, 0.2930



69.2047, 0.3034, 0.3003



15.3203, 0.2979, 0.3055



3.5882, 0.1506, 0.0623



0.3306, 0.1523, 0.0682

Inverse Universe

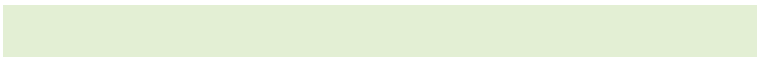
The Inverse Universe completely reimagines the original color for something new.



70.2551, 0.3323, 0.3280



77.2784, 0.3378, 0.3278



82.8080, 0.3213, 0.3576



15.7681, 0.3288, 0.3282



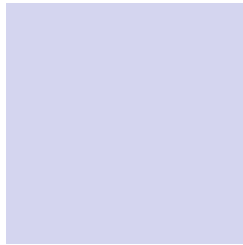
10.1556, 0.6362, 0.3279



0.8481, 0.6263, 0.3224

Previews

White Background



This preview shows how the Yxy color 67.8175, 0.2949, 0.3006 looks on a white background.

Color Contrast Check

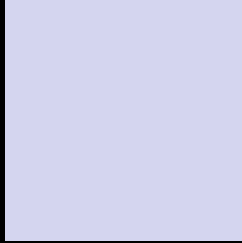
Large Text (above 18pt) WCAG AA × Fail

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 67.8175, 0.2949, 0.3006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

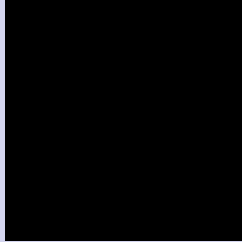
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

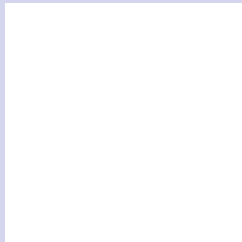
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.8175, 0.2949, 0.3006

Background



This preview shows how black text looks on a background with the Yxy color 67.8175, 0.2949, 0.3006.

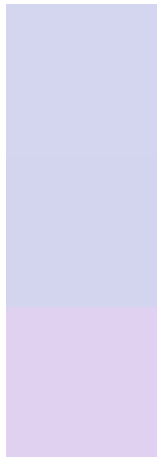


This preview shows how white text looks on a background with the Yxy color 67.8175, 0.2949, 0.3006.

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

67.8175, 0.2949, 0.3006

Protanopia

67.6694, 0.2942, 0.3006

Deuteranopia

67.7395, 0.3027, 0.2960



Tritanopia

67.7115, 0.2993, 0.3102

Trichromacy



Original Color

67.8175, 0.2949, 0.3006

Protanomaly

67.6694, 0.2942, 0.3006

Deuteranomaly

67.6001, 0.2998, 0.2968

Tritanomaly

67.8825, 0.2974, 0.3070

Monochromacy



Original Color

67.8175, 0.2949, 0.3006

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

68.4298, 0.3067, 0.3191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8175, 0.2949, 0.3006 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, 213, 239)` looks like.

```
.text, #text, p{  
    color:rgb(212, 213, 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, 213, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 213, 239) }
```

Border

The CSS property to change the border of an element to Yxy 67.8175, 0.2949, 0.3006 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, 213, 239) }
```

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

```
.border{ border-color:rgb(212, 213, 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, 213, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 213, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 213, 239);  
box-shadow:4px 4px 4px 4px rgb(212, 213,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8175, 0.2949, 0.3006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 213, 239) }
```

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

```
.background{ background-color: rgb(212,  
213, 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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