

Converting Colors

$Yxy(68.4029, 0.2903, 0.2928)$

Have a look what the booklet for
Yxy(68.4029, 0.2903, 0.2928)
contains.

Yxy(68.3009, 0.2899, 0.2923)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(68.3009, 0.2899, 0.2923)

Conversions

Conversions Part 1

Format	Color
Hex	D4D5F7
RGB	212, 213, 247
RGB Percent	83%, 84%, 97%
CMY	0.1686, 0.1647, 0.0313
CMYK	0.14, 0.14, 0.00, 0.03
HSL	238°, 69%, 90%
HSV	238°, 14%, 97%
XYZ	67.7401, 68.3009, 97.6261
YIQ	216.5770, -11.5100, 10.3620

Conversions

Conversions Part 2

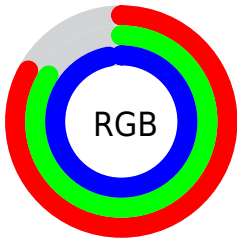
Format	Color
R _{YB}	212, 213, 247
Decimal	13948407
CIE Lab	86.16, 6.29, -16.72
CIE LCh	86, 17.867, 290.614
Yxy	68.3009, 0.2899, 0.2923
Android (android.graphics.Color)	4292138487 (0xFFD4D5F7)
YUV	216.5770, 14.9985, -4.0140
Hunter-Lab	82.6444, 1.6813, -12.1870

Details

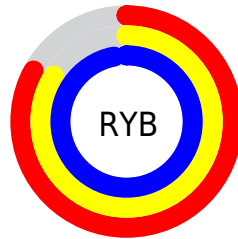
The Yxy color **68.3009, 0.2899, 0.2923** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **90.4705, 0.3341, 0.3632**, and the grayscale version is **68.9888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.3834, 0.2839, 0.2827** is the 20% darker color. If you saturate the color by 10%, you get **53.7108, 0.2714, 0.2624**, and if you desaturate by 10%, it is **85.2465, 0.3064, 0.3189**.

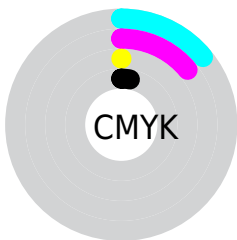
Distribution



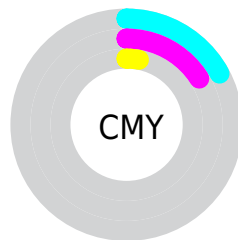
- Red (83%)
- Green (84%)
- Blue (97%)



- Red (83%)
- Yellow (84%)
- Blue (97%)



- Cyan (14%)
- Magenta (14%)
- Yellow (0%)
- Black (3%)



- Cyan (17%)
- Magenta (16%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.3009, 0.2899, 0.2923 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 68.3009, 0.2899, 0.2923 by changing the saturation by 10% instead.

■ 68.3009, 0.2899,
0.2923

■ 68.3009, 0.2899,
0.2923

454.5614, 0.3006,
0.3092

■ 50.1426, 0.2874,
0.2885

116.7825, 0.2936,
0.2981

■ 35.5267, 0.2844,
0.2838

147.8746, 0.2951,
0.3004

■ 24.0689, 0.2805,
0.2779

184.0466, 0.2963,
0.3024

■ 15.3847, 0.2753,
0.2702

225.6832, 0.2974,
0.3041

■ 9.0898, 0.2683,
0.2598

273.1685, 0.2984,
0.3056

■ 4.7998, 0.2580,
0.2451

326.8871, 0.2992,

■ 2.1303, 0.2420,

0.3069

0.2229

387.2232, 0.2999,
0.3081

0.6816, 0.2144,
0.1823

0.0000, 0.0000,
0.0000

68.3009, 0.2899,
0.2923

68.3009, 0.2899,
0.2923

53.7108, 0.2714,
0.2624

85.2465, 0.3064,
0.3189

41.3639, 0.2511,
0.2295

99.4968, 0.3173,
0.3366

31.1517, 0.2298,
0.1947

22.9531, 0.2085,
0.1596

■ 16.6349, 0.1886,
0.1267

■ 12.0480, 0.1719,
0.0985

■ 9.0208, 0.1596,
0.0775

■ 7.3464, 0.1525,
0.0649

■ 6.8669, 0.1504,
0.0612

Harmonies

Analogous

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



68.3009, 0.2756, 0.2957



68.3009, 0.2899, 0.2923



68.3009, 0.3107, 0.2980

Triad

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



68.3009, 0.2899, 0.2923



68.3009, 0.3564, 0.3475



68.3009, 0.2923, 0.3476

Complementary

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



68.3009, 0.2899, 0.2923



90.4705, 0.3341, 0.3632

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.



68.3009, 0.3135, 0.3629



68.3009, 0.2899, 0.2923



68.3009, 0.3509, 0.3619

Square

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



68.3009, 0.2899, 0.2923



68.3009, 0.3497, 0.3290



68.3009, 0.3350, 0.3680



68.3009, 0.2769, 0.3272

Rectangle

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



68.3009, 0.2899, 0.2923



68.3009, 0.3257, 0.3061



68.3009, 0.3350, 0.3680



68.3009, 0.2990, 0.3536

Sweetspot

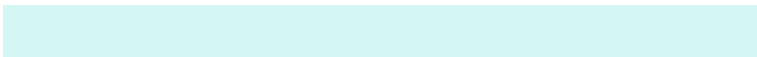
The Sweet Spot groups the original color and five complimentary colors.



68.3037, 0.2899, 0.2923



91.9530, 0.3067, 0.3193



87.1801, 0.2917, 0.3302



19.3680, 0.3055, 0.3174



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.



68.3037, 0.2899, 0.2923



68.6847, 0.2848, 0.2841



70.3646, 0.3011, 0.2925



16.0010, 0.2979, 0.3052



3.6646, 0.1505, 0.0617



0.3478, 0.1517, 0.0661

Inverse Universe

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



71.6782, 0.3383, 0.3281



72.9693, 0.3446, 0.3279



88.2267, 0.3231, 0.3654



16.4900, 0.3289, 0.3284



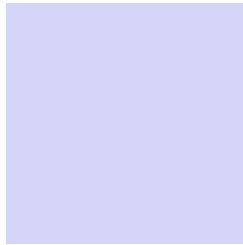
10.4693, 0.6372, 0.3284



0.9227, 0.6298, 0.3243

Previews

White Background



This preview shows how the Yxy color 68.3009, 0.2899, 0.2923 looks on a white background.

Color Contrast Check

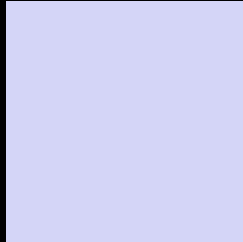
Large Text (above 18pt) WCAG AA × Fail

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 68.3009, 0.2899, 0.2923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

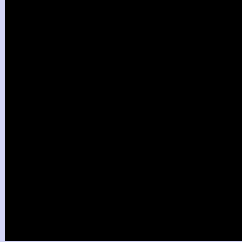
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.3009, 0.2899, 0.2923

Background



This preview shows how black text looks on a background with the Yxy color 68.3009, 0.2899, 0.2923.

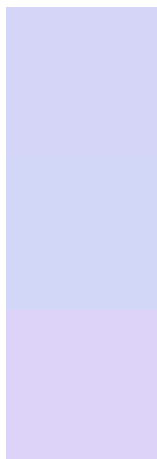


This preview shows how white text looks on a background with the Yxy color 68.3009, 0.2899, 0.2923.

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

68.3009, 0.2899, 0.2923

Protanopia

68.5102, 0.2886, 0.2933

Deuteranopia

68.2426, 0.2954, 0.2887



Tritanopia

68.0394, 0.2967, 0.3091

Trichromacy



Original Color

68.3009, 0.2899, 0.2923

Protanomaly

68.6574, 0.2893, 0.2934

Deuteranomaly

68.2713, 0.2933, 0.2896

Tritanomaly

67.9678, 0.2942, 0.3027

Monochromacy



Original Color

68.3009, 0.2899, 0.2923

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.1602, 0.3041, 0.3158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.3009, 0.2899, 0.2923 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, 247)` looks like.

```
.text, #text, p{  
    color:rgb(212, 213, 247)  
}
```

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, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 213, 247) }
```

Border

The CSS property to change the border of an element to Yxy 68.3009, 0.2899, 0.2923 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, 247) }
```

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

```
.border{ border-color:rgb(212, 213, 247) }
```

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, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 213, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 213, 247);  
box-shadow:4px 4px 4px 4px rgb(212, 213,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 68.3009, 0.2899, 0.2923 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, 247) }
```

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

```
.background{ background-color: rgb(212,  
213, 247) }
```

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