

Converting Colors

$Yxy(68.5430, 0.2924, 0.2977)$

Have a look what the booklet for
Yxy(68.5430, 0.2924, 0.2977)
contains.

Yxy(68.5612, 0.2924, 0.2976)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.5612, 0.2924, 0.2976)

Conversions

Conversions Part 1

Format	Color
Hex	D4D6F3
RGB	212, 214, 243
RGB Percent	83%, 84%, 95%
CMY	0.1688, 0.1607, 0.0472
CMYK	0.13, 0.12, 0.00, 0.05
HSL	236°, 56%, 89%
HSV	236°, 13%, 95%
XYZ	67.3632, 68.5612, 94.4560
YIQ	216.7080, -10.5010, 8.5950

Conversions

Conversions Part 2

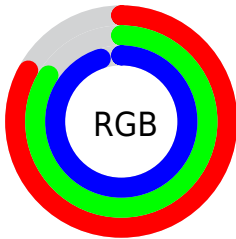
Format	Color
R _Y B	212, 214, 243
Decimal	13948659
CIE Lab	86.29, 4.90, -14.39
CIE LCh	86, 15.201, 288.812
Yxy	68.5612, 0.2924, 0.2976
Android (android.graphics.Color)	4292138739 (0xFFD4D6F3)
YUV	216.7080, 12.9620, -4.1289
Hunter-Lab	82.8017, 0.3155, -9.6738

Details

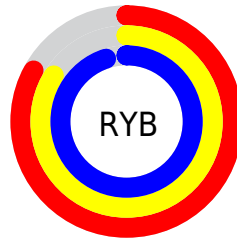
The Yxy color **68.5612, 0.2924, 0.2976** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **86.6611, 0.3321, 0.3586**, and the grayscale version is **69.0900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.5522, 0.2871, 0.2894** is the 20% darker color. If you saturate the color by 10%, you get **54.5270, 0.2743, 0.2694**, and if you desaturate by 10%, it is **84.7432, 0.3086, 0.3226**.

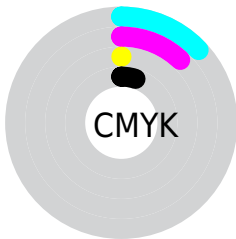
Distribution



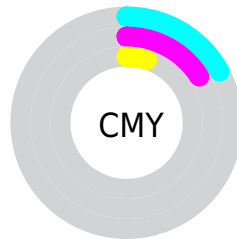
- Red (83%)
- Green (84%)
- Blue (95%)



- Red (83%)
- Yellow (84%)
- Blue (95%)



- Cyan (13%)
- Magenta (12%)
- Yellow (0%)
- Black (5%)



- Cyan (17%)
- Magenta (16%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.5612, 0.2924, 0.2976 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 68.5612, 0.2924, 0.2976 by changing the saturation by 10% instead.

■ 68.5612, 0.2924,
0.2976

■ 68.5612, 0.2924,
0.2976

455.4818, 0.3019,
0.3121

■ 50.3544, 0.2902,
0.2943

117.1546, 0.2957,
0.3026

■ 35.6951, 0.2875,
0.2903

148.3101, 0.2970,
0.3046

■ 24.1988, 0.2840,
0.2851

184.5505, 0.2981,
0.3062

■ 15.4812, 0.2794,
0.2785

226.2604, 0.2991,
0.3077

■ 9.1578, 0.2731,
0.2694

273.8241, 0.2999,
0.3090

■ 4.8442, 0.2640,
0.2565

327.6259, 0.3007,

■ 2.1562, 0.2496,

0.3101

0.2367

388.0504, 0.3013,
0.3112

0.6959, 0.2243,
0.1999

0.0000, 0.0000,
0.0000

68.5612, 0.2924,
0.2976

68.5612, 0.2924,
0.2976

54.5270, 0.2743,
0.2694

84.7432, 0.3086,
0.3226

42.5422, 0.2546,
0.2382

99.2495, 0.3197,
0.3405

32.5133, 0.2338,
0.2049

24.3364, 0.2128,
0.1707

■ 17.8979, 0.1929,
0.1378

■ 13.0717, 0.1757,
0.1086

■ 9.7144, 0.1624,
0.0853

■ 7.6574, 0.1541,
0.0696

■ 6.8444, 0.1509,
0.0631

Harmonies

Analogous

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



68.5612, 0.2805, 0.3012



68.5612, 0.2924, 0.2976



68.5612, 0.3100, 0.3020

Triad

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



68.5612, 0.2924, 0.2976



68.5612, 0.3497, 0.3440



68.5612, 0.2964, 0.3457

Complementary

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



68.5612, 0.2924, 0.2976



86.6611, 0.3321, 0.3586

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.



68.5612, 0.3146, 0.3581



68.5612, 0.2924, 0.2976



68.5612, 0.3457, 0.3565

Square

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



68.5612, 0.2924, 0.2976



68.5612, 0.3435, 0.3282



68.5612, 0.3327, 0.3620



68.5612, 0.2828, 0.3287

Rectangle

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



68.5612, 0.2924, 0.2976



68.5612, 0.3227, 0.3087



68.5612, 0.3327, 0.3620



68.5612, 0.3022, 0.3506

Sweetspot

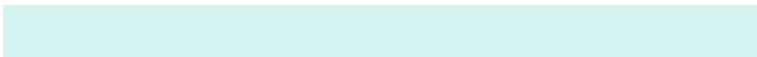
The Sweet Spot groups the original color and five complimentary colors.



68.5641, 0.2924, 0.2976



92.1908, 0.3067, 0.3197



84.4223, 0.2944, 0.3311



19.4278, 0.3055, 0.3179



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.



68.5641, 0.2924, 0.2976



72.7488, 0.2885, 0.2915



69.6081, 0.3017, 0.2962



16.1034, 0.2979, 0.3062



3.8235, 0.1512, 0.0641



0.3967, 0.1540, 0.0743

Inverse Universe

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



70.9730, 0.3345, 0.3269



75.8868, 0.3391, 0.3265



85.5835, 0.3227, 0.3615



16.5004, 0.3283, 0.3275



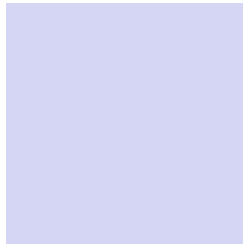
10.4854, 0.6331, 0.3261



0.9277, 0.6163, 0.3168

Previews

White Background



This preview shows how the Yxy color 68.5612, 0.2924, 0.2976 looks on a white background.

Color Contrast Check

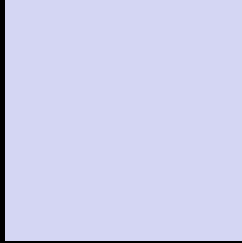
Large Text (above 18pt) WCAG AA × Fail

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 68.5612, 0.2924, 0.2976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

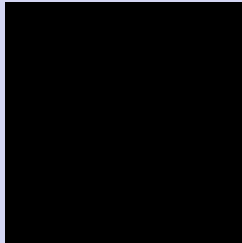
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.5612, 0.2924, 0.2976

Background



This preview shows how black text looks on a background with the Yxy color 68.5612, 0.2924, 0.2976.

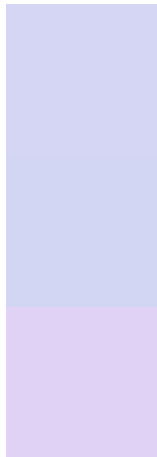


This preview shows how white text looks on a background with the Yxy color 68.5612, 0.2924, 0.2976.

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

68.5612, 0.2924, 0.2976

Protanopia

68.4131, 0.2917, 0.2975

Deuteranopia

68.4721, 0.3000, 0.2930



Tritanopia

68.6966, 0.2974, 0.3103

Trichromacy



Original Color

68.5612, 0.2924, 0.2976

Protanomaly

68.4131, 0.2917, 0.2975

Deuteranomaly

68.3358, 0.2972, 0.2938

Tritanomaly

68.5642, 0.2955, 0.3049

Monochromacy



Original Color

68.5612, 0.2924, 0.2976

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.0498, 0.3054, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5612, 0.2924, 0.2976 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, 214, 243)` looks like.

```
.text, #text, p{  
    color:rgb(212, 214, 243)  
}
```

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, 214, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 214, 243) }
```

Border

The CSS property to change the border of an element to Yxy 68.5612, 0.2924, 0.2976 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, 214, 243) }
```

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

```
.border{ border-color:rgb(212, 214, 243) }
```

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

Here you see how a box with a 4 pixel rgb(212, 214, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 214, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 214, 243);  
box-shadow:4px 4px 4px 4px rgb(212, 214,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5612, 0.2924, 0.2976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 214, 243) }
```

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

```
.background{ background-color: rgb(212,  
214, 243) }
```

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