

Converting Colors

$Y_{xy}(71.9795, 0.2925, 0.2883)$

Have a look what the booklet for
Yxy(71.9795, 0.2925, 0.2883)
contains.

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Color

Yxy(72.0197, 0.2925, 0.2884)

Conversions

Conversions Part 1

Format	Color
Hex	DFD8FF
RGB	223, 216, 255
RGB Percent	87%, 85%, 100%
CMY	0.1254, 0.1530, 0.0000
CMYK	0.13, 0.15, 0.00, 0.00
HSL	251°, 100%, 92%
HSV	251°, 15%, 100%
XYZ	73.0436, 72.0197, 104.6583
YIQ	222.5390, -8.3470, 13.6130

Conversions

Conversions Part 2

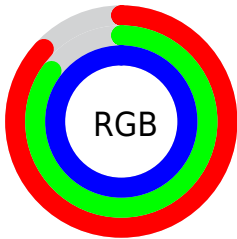
Format	Color
R _Y B	223, 216, 255
Decimal	14670079
CIE Lab	87.98, 9.80, -18.11
CIE LCh	88, 20.590, 298.433
Yxy	72.0197, 0.2925, 0.2884
Android (android.graphics.Color)	4292860159 (0xFFDFD8FF)
YUV	222.5390, 16.0033, 0.4043
Hunter-Lab	84.8644, 5.1238, -13.7138

Details

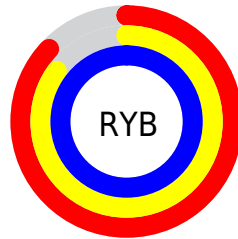
The Yxy color **72.0197, 0.2925, 0.2884** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **96.4280, 0.3311, 0.3677**, and the grayscale version is **73.3413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.8918, 0.2881, 0.2793** is the 20% darker color. If you saturate the color by 10%, you get **56.8369, 0.2769, 0.2582**, and if you desaturate by 10%, it is **89.6458, 0.3062, 0.3158**.

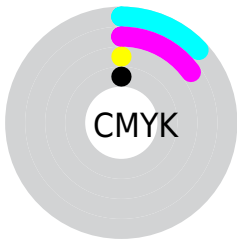
Distribution



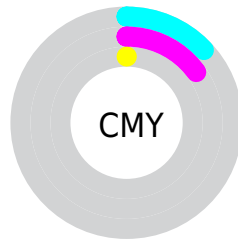
- Red (87%)
- Green (85%)
- Blue (100%)



- Red (87%)
- Yellow (85%)
- Blue (100%)



- Cyan (13%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.0197, 0.2925, 0.2884 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 72.0197, 0.2925, 0.2884 by changing the saturation by 10% instead.

72.0197, 0.2925,
0.2884

72.0197, 0.2925,
0.2884

467.6102, 0.3020,
0.3068

53.1748, 0.2903,
0.2843

122.0845, 0.2958,
0.2947

37.9423, 0.2876,
0.2793

154.0732, 0.2971,
0.2972

25.9379, 0.2842,
0.2730

191.2120, 0.2982,
0.2993

16.7772, 0.2797,
0.2650

233.8852, 0.2991,
0.3012

10.0758, 0.2736,
0.2543

282.4772, 0.3000,
0.3028

5.4492, 0.2648,
0.2395

337.3724, 0.3007,

2.5132, 0.2511,

0.3043

0.2175

398.9553, 0.3014,
0.3056

0.8832, 0.2274,
0.1823

0.0000, 0.0253,
0.0000

72.0197, 0.2925,
0.2884

72.0197, 0.2925,
0.2884

56.8369, 0.2769,
0.2582

89.6458, 0.3062,
0.3158

43.9803, 0.2595,
0.2255

100.0000, 0.3127,
0.3290

33.3366, 0.2408,
0.1915

24.7794, 0.2214,
0.1577

■ 18.1695, 0.2024,
0.1263

■ 13.3503, 0.1852,
0.0996

■ 10.1404, 0.1709,
0.0796

■ 8.3184, 0.1606,
0.0675

■ 7.8005, 0.1571,
0.0639

Harmonies

Analogous

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



72.0197, 0.2740, 0.2894



72.0197, 0.2925, 0.2884



72.0197, 0.3171, 0.2973

Triad

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



72.0197, 0.2925, 0.2884



72.0197, 0.3619, 0.3546



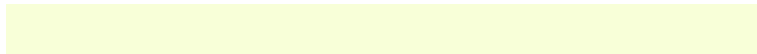
72.0197, 0.2842, 0.3443

Complementary

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



72.0197, 0.2925, 0.2884



96.4280, 0.3311, 0.3677

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.



72.0197, 0.3069, 0.3640



72.0197, 0.2925, 0.2884



72.0197, 0.3521, 0.3691

Square

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



72.0197, 0.2925, 0.2884



72.0197, 0.3580, 0.3344



72.0197, 0.3318, 0.3731



72.0197, 0.2694, 0.3208

Rectangle

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



72.0197, 0.2925, 0.2884



72.0197, 0.3337, 0.3076



72.0197, 0.3318, 0.3731



72.0197, 0.2912, 0.3517

Sweetspot

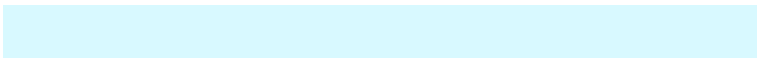
The Sweet Spot groups the original color and five complimentary colors.



72.0227, 0.2925, 0.2884



90.2047, 0.3066, 0.3165



89.2607, 0.2892, 0.3223



19.0238, 0.3057, 0.3147



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.



72.0227, 0.2925, 0.2884



67.6796, 0.2885, 0.2805



75.2069, 0.3054, 0.2900



17.5352, 0.3007, 0.3046



4.1211, 0.1581, 0.0645



0.4419, 0.1675, 0.0696

Inverse Universe

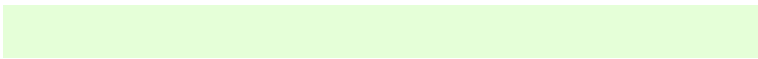
The Inverse Universe completely reimagines the original color for something new.



77.1451, 0.3192, 0.2976



73.6083, 0.3205, 0.2919



93.1353, 0.3189, 0.3691



18.2408, 0.3166, 0.3097



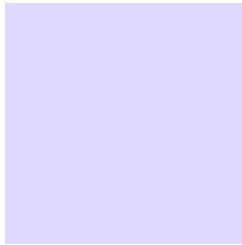
13.5350, 0.3727, 0.1827



1.3318, 0.3657, 0.1788

Previews

White Background



This preview shows how the Yxy color 72.0197, 0.2925, 0.2884 looks on a white background.

Color Contrast Check

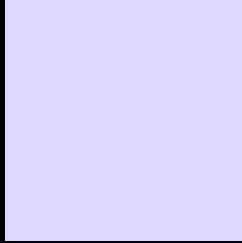
Large Text (above 18pt) WCAG AA × Fail

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 72.0197, 0.2925, 0.2884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

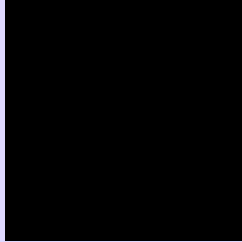
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.0197, 0.2925, 0.2884

Background



This preview shows how black text looks on a background with the Yxy color 72.0197, 0.2925, 0.2884.

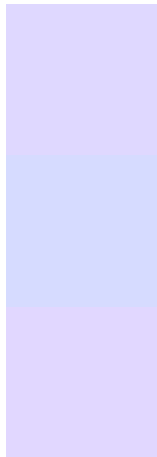


This preview shows how white text looks on a background with the Yxy color 72.0197, 0.2925, 0.2884.

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

72.0197, 0.2925, 0.2884

Protanopia

72.1792, 0.2866, 0.2909

Deuteranopia

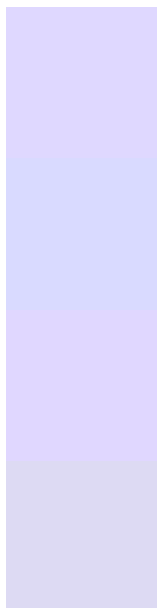
71.8284, 0.2938, 0.2875



Tritanopia

71.9348, 0.3024, 0.3108

Trichromacy



Original Color

72.0197, 0.2925, 0.2884

Protanomaly

72.1145, 0.2886, 0.2901

Deuteranomaly

71.6682, 0.2931, 0.2874

Tritanomaly

71.9860, 0.2986, 0.3025

Monochromacy



Original Color

72.0197, 0.2925, 0.2884

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

72.8725, 0.3051, 0.3130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.0197, 0.2925, 0.2884 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(223, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 216, 255)  
}
```

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(223, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 216, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.0197, 0.2925, 0.2884 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(223, 216, 255) }
```

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

```
.border{ border-color:rgb(223, 216, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 216,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.0197, 0.2925, 0.2884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 216, 255) }
```

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

```
.background{ background-color: rgb(223,  
216, 255) }
```

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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