

Converting Colors

$Y_{xy}(70.7449, 0.2963, 0.3001)$

Have a look what the booklet for
Yxy(70.7449, 0.2963, 0.3001)
contains.

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Color

Yxy(70.4882, 0.2965, 0.3001)

Conversions

Conversions Part 1

Format	Color
Hex	DAD8F3
RGB	218, 216, 243
RGB Percent	85%, 85%, 95%
CMY	0.1452, 0.1529, 0.0469
CMYK	0.10, 0.11, 0.00, 0.05
HSL	244°, 53%, 90%
HSV	244°, 11%, 95%
XYZ	69.6426, 70.4882, 94.7515
YIQ	219.6760, -7.4750, 8.8210

Conversions

Conversions Part 2

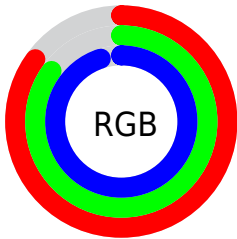
Format	Color
R _Y B	218, 216, 243
Decimal	14342387
CIE Lab	87.24, 5.78, -12.95
CIE LCh	87, 14.183, 294.058
Yxy	70.4882, 0.2965, 0.3001
Android (android.graphics.Color)	4292532467 (0xFFDAD8F3)
YUV	219.6760, 11.4987, -1.4699
Hunter-Lab	83.9573, 1.1407, -8.1428

Details

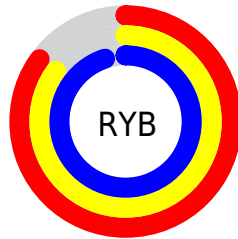
The Yxy color **70.4882, 0.2965, 0.3001** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87.7915, 0.3280, 0.3566**, and the grayscale version is **71.2546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.8641, 0.2925, 0.2929** is the 20% darker color. If you saturate the color by 10%, you get **55.7030, 0.2798, 0.2706**, and if you desaturate by 10%, it is **87.5937, 0.3112, 0.3263**.

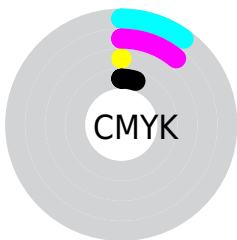
Distribution



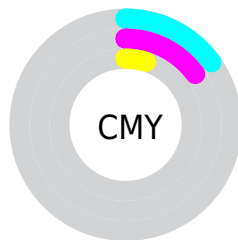
- Red (85%)
- Green (85%)
- Blue (95%)



- Red (85%)
- Yellow (85%)
- Blue (95%)



- Cyan (10%)
- Magenta (11%)
- Yellow (0%)
- Black (5%)



- Cyan (15%)
- Magenta (15%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.4882, 0.2965, 0.3001 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 70.4882, 0.2965, 0.3001 by changing the saturation by 10% instead.

■ 70.4882, 0.2965,
0.3001

■ 70.4882, 0.2965,
0.3001

462.2623, 0.3041,
0.3134

■ 51.9246, 0.2948,
0.2971

119.9047, 0.2991,
0.3047

■ 36.9450, 0.2926,
0.2934

151.5264, 0.3002,
0.3065

■ 25.1649, 0.2898,
0.2888

188.2697, 0.3011,
0.3080

■ 16.2000, 0.2862,
0.2827

230.5188, 0.3018,
0.3094

■ 9.6658, 0.2812,
0.2746

278.6582, 0.3025,
0.3105

■ 5.1779, 0.2740,
0.2630

333.0724, 0.3031,

■ 2.3520, 0.2625,

0.3116

0.2453

394.1456, 0.3036,
0.3125

■ 0.8010, 0.2422,
0.2146

■ 0.0000, 0.0000,
0.0000

■ 70.4882, 0.2965,
0.3001

■ 70.4882, 0.2965,
0.3001

■ 55.7030, 0.2798,
0.2706

■ 87.5937, 0.3112,
0.3263

■ 43.1297, 0.2611,
0.2382

■ 99.2529, 0.3197,
0.3405

■ 32.6645, 0.2410,
0.2036

■ 24.1919, 0.2202,
0.1684

■ 17.5851, 0.1999,
0.1347

■ 12.7029, 0.1816,
0.1052

■ 9.3839, 0.1669,
0.0823

■ 7.4358, 0.1567,
0.0676

■ 6.5975, 0.1517,
0.0609

Harmonies

Analogous

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



70.4882, 0.2843, 0.3021



70.4882, 0.2965, 0.3001



70.4882, 0.3133, 0.3054

Triad

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



70.4882, 0.2965, 0.3001



70.4882, 0.3469, 0.3453



70.4882, 0.2950, 0.3419

Complementary

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



70.4882, 0.2965, 0.3001



87.7915, 0.3280, 0.3566

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.



70.4882, 0.3114, 0.3544



70.4882, 0.2965, 0.3001



70.4882, 0.3416, 0.3559

Square

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



70.4882, 0.2965, 0.3001



70.4882, 0.3428, 0.3309



70.4882, 0.3285, 0.3595



70.4882, 0.2835, 0.3259

Rectangle

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



70.4882, 0.2965, 0.3001



70.4882, 0.3249, 0.3123



70.4882, 0.3285, 0.3595



70.4882, 0.3001, 0.3467

Sweetspot

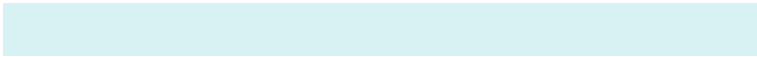
The Sweet Spot groups the original color and five complimentary colors.



70.4912, 0.2965, 0.3001



93.8946, 0.3086, 0.3216



84.1197, 0.2956, 0.3271



19.7568, 0.3074, 0.3196



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.



70.4912, 0.2965, 0.3001



75.2700, 0.2935, 0.2947



72.6334, 0.3057, 0.3009



15.9840, 0.2990, 0.3046



3.6407, 0.1522, 0.0612



0.3395, 0.1577, 0.0642

Inverse Universe

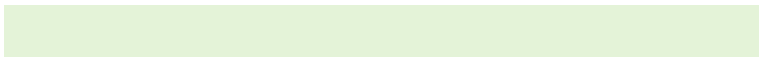
The Inverse Universe completely reimagines the original color for something new.



74.5333, 0.3153, 0.3036



80.4894, 0.3158, 0.2991



85.5257, 0.3190, 0.3573



16.7464, 0.3149, 0.3073



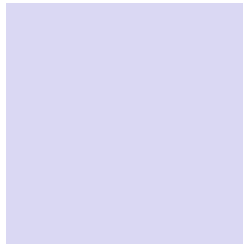
13.4627, 0.3400, 0.1646



1.1893, 0.3373, 0.1632

Previews

White Background



This preview shows how the Yxy color 70.4882, 0.2965, 0.3001 looks on a white background.

Color Contrast Check

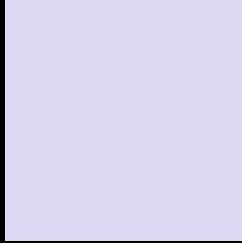
Large Text (above 18pt) WCAG AA × Fail

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 70.4882, 0.2965, 0.3001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

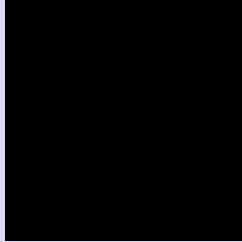
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.4882, 0.2965, 0.3001

Background



This preview shows how black text looks on a background with the Yxy color 70.4882, 0.2965, 0.3001.

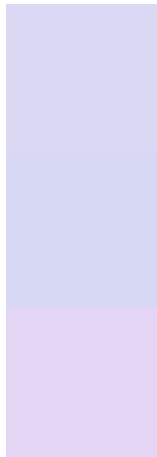


This preview shows how white text looks on a background with the Yxy color 70.4882, 0.2965, 0.3001.

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

70.4882, 0.2965, 0.3001

Protanopia

70.6044, 0.2939, 0.3000

Deuteranopia

70.6141, 0.3028, 0.2965



Tritanopia

70.3756, 0.3009, 0.3095

Trichromacy



Original Color

70.4882, 0.2965, 0.3001

Protanomaly

70.7563, 0.2946, 0.3001

Deuteranomaly

70.4721, 0.3000, 0.2973

Tritanomaly

70.5505, 0.2990, 0.3064

Monochromacy



Original Color

70.4882, 0.2965, 0.3001

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

71.3245, 0.3068, 0.3192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4882, 0.2965, 0.3001 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(218, 216, 243)` looks like.

```
.text, #text, p{  
    color:rgb(218, 216, 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(218, 216, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 216, 243) }
```

Border

The CSS property to change the border of an element to Yxy 70.4882, 0.2965, 0.3001 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(218, 216, 243) }
```

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

```
.border{ border-color:rgb(218, 216, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 216, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 216, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 216, 243);  
box-shadow:4px 4px 4px 4px rgb(218, 216,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 70.4882, 0.2965, 0.3001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 216, 243) }
```

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

```
.background{ background-color: rgb(218,  
216, 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](#).

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