

Converting Colors

$Y_{xy}(70.4509, 0.2979, 0.2979)$

Have a look what the booklet for
Yxy(70.4509, 0.2979, 0.2979)
contains.

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Color

Yxy(70.5047, 0.2980, 0.2982)

Conversions

Conversions Part 1

Format	Color
Hex	DDD7F4
RGB	221, 215, 244
RGB Percent	87%, 84%, 96%
CMY	0.1331, 0.1569, 0.0432
CMYK	0.09, 0.12, 0.00, 0.04
HSL	253°, 57%, 90%
HSV	253°, 12%, 96%
XYZ	70.4574, 70.5047, 95.4722
YIQ	220.1000, -5.7330, 10.2910

Conversions

Conversions Part 2

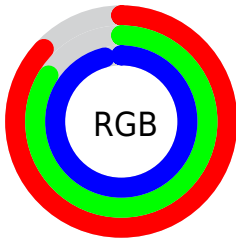
Format	Color
R _Y B	221, 215, 244
Decimal	14538740
CIE Lab	87.24, 7.50, -13.42
CIE LCh	87, 15.373, 299.194
Yxy	70.5047, 0.2980, 0.2982
Android (android.graphics.Color)	4292728820 (0xFFDDD7F4)
YUV	220.1000, 11.7827, 0.7893
Hunter-Lab	83.9671, 2.8383, -8.6369

Details

The Yxy color $70.5047, 0.2980, 0.2982$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $87.7648, 0.3264, 0.3588$, and the grayscale version is $71.5685, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $36.8794, 0.2943, 0.2904$ is the 20% darker color. If you saturate the color by 10%, you get $56.1368, 0.2836, 0.2691$, and if you desaturate by 10%, it is $87.0798, 0.3106, 0.3244$.

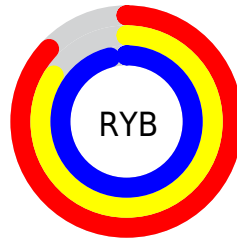
Distribution



Red (87%)

Green (84%)

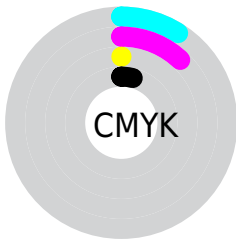
Blue (96%)



Red (87%)

Yellow (84%)

Blue (96%)

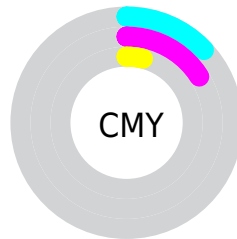


Cyan (9%)

Magenta (12%)

Yellow (0%)

Black (4%)



Cyan (13%)

Magenta (16%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.5047, 0.2980, 0.2982 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 70.5047, 0.2980, 0.2982 by changing the saturation by 10% instead.

70.5047, 0.2980,
0.2982

70.5047, 0.2980,
0.2982

462.3201, 0.3049,
0.3123

51.9381, 0.2964,
0.2950

119.9282, 0.3004,
0.3031

36.9557, 0.2944,
0.2911

151.5539, 0.3014,
0.3050

25.1732, 0.2919,
0.2862

188.3014, 0.3022,
0.3066

16.2062, 0.2885,
0.2798

230.5552, 0.3028,
0.3080

9.6702, 0.2839,
0.2713

278.6995, 0.3035,
0.3093

5.1808, 0.2772,
0.2591

333.1188, 0.3040,

2.3537, 0.2666,

0.3104

0.2407

394.1976, 0.3045,
0.3114

0.8019, 0.2476,
0.2091

0.0000, 0.0000,
0.0000

70.5047, 0.2980,
0.2982

70.5047, 0.2980,
0.2982

56.1368, 0.2836,
0.2691

87.0798, 0.3106,
0.3244

43.8736, 0.2674,
0.2375

99.3109, 0.3191,
0.3396

33.6180, 0.2497,
0.2042

25.2614, 0.2310,
0.1705

■ 18.6848, 0.2121,
0.1384

■ 13.7558, 0.1943,
0.1101

■ 10.3227, 0.1788,
0.0876

■ 8.2047, 0.1666,
0.0725

■ 7.2339, 0.1594,
0.0652

Harmonies

Analogous

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



70.5047, 0.2837, 0.2989



70.5047, 0.2980, 0.2982



70.5047, 0.3166, 0.3051

Triad

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



70.5047, 0.2980, 0.2982



70.5047, 0.3496, 0.3489



70.5047, 0.2909, 0.3401

Complementary

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



70.5047, 0.2980, 0.2982



87.7648, 0.3264, 0.3588

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.



70.5047, 0.3080, 0.3547



70.5047, 0.2980, 0.2982



70.5047, 0.3421, 0.3594

Square

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



70.5047, 0.2980, 0.2982



70.5047, 0.3468, 0.3338



70.5047, 0.3268, 0.3618



70.5047, 0.2798, 0.3226

Rectangle

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



70.5047, 0.2980, 0.2982



70.5047, 0.3290, 0.3132



70.5047, 0.3268, 0.3618



70.5047, 0.2961, 0.3456

Sweetspot

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



70.5077, 0.2980, 0.2982



92.1655, 0.3080, 0.3191



82.2356, 0.2944, 0.3229



19.4215, 0.3071, 0.3172



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.



70.5077, 0.2980, 0.2982



74.3313, 0.2951, 0.2922



72.8391, 0.3079, 0.2991



16.0935, 0.3012, 0.3048



3.9807, 0.1606, 0.0658



0.3921, 0.1718, 0.0720

Inverse Universe

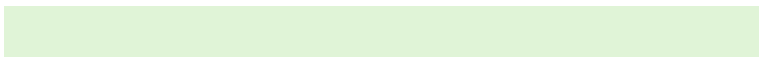
The Inverse Universe completely reimagines the original color for something new.



73.9967, 0.3182, 0.3057



78.8286, 0.3193, 0.3013



85.3976, 0.3169, 0.3596



16.7055, 0.3170, 0.3105



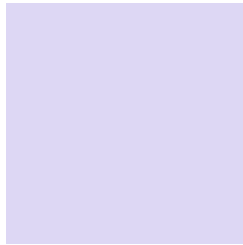
12.5727, 0.3821, 0.1878



1.1196, 0.3729, 0.1828

Previews

White Background



This preview shows how the Yxy color 70.5047, 0.2980, 0.2982 looks on a white background.

Color Contrast Check

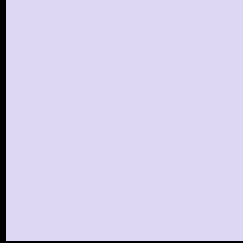
Large Text (above 18pt) WCAG AA × Fail

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 70.5047, 0.2980, 0.2982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

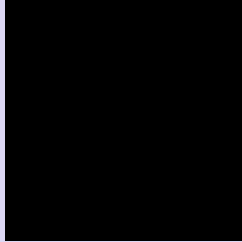
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.5047, 0.2980, 0.2982

Background



This preview shows how black text looks on a background with the Yxy color 70.5047, 0.2980, 0.2982.

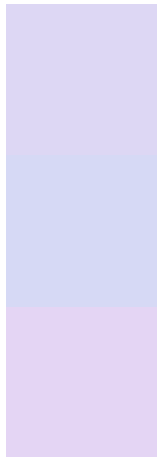


This preview shows how white text looks on a background with the Yxy color 70.5047, 0.2980, 0.2982.

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

70.5047, 0.2980, 0.2982

Protanopia

70.5144, 0.2926, 0.2989

Deuteranopia

70.6141, 0.3028, 0.2965



Tritanopia

70.6263, 0.3030, 0.3107

Trichromacy



Original Color

70.5047, 0.2980, 0.2982

Protanomaly

70.4560, 0.2946, 0.2980

Deuteranomaly

70.6323, 0.3007, 0.2974

Tritanomaly

70.5004, 0.3011, 0.3054

Monochromacy



Original Color

70.5047, 0.2980, 0.2982

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

71.0156, 0.3069, 0.3171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.5047, 0.2980, 0.2982 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(221, 215, 244)` looks like.

```
.text, #text, p{  
    color:rgb(221, 215, 244)  
}
```

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(221, 215, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 215, 244) }
```

Border

The CSS property to change the border of an element to Yxy 70.5047, 0.2980, 0.2982 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(221, 215, 244) }
```

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

```
.border{ border-color:rgb(221, 215, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 215, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 215, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 215, 244);  
box-shadow:4px 4px 4px 4px rgb(221, 215,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 70.5047, 0.2980, 0.2982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 215, 244) }
```

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

```
.background{ background-color: rgb(221,  
215, 244) }
```

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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