

Converting Colors

$Y_{xy}(71.0150, 0.2983, 0.3011)$

Have a look what the booklet for
Yxy(71.0150, 0.2983, 0.3011)
contains.

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Color

Yxy(70.7984, 0.2979, 0.3002)

Conversions

Conversions Part 1	
Format	Color
Hex	DCD8F3
RGB	220, 216, 243
RGB Percent	86%, 85%, 95%
CMY	0.1372, 0.1530, 0.0469
CMYK	0.09, 0.11, 0.00, 0.05
HSL	249°, 53%, 90%
HSV	249°, 11%, 95%
XYZ	70.2560, 70.7984, 94.7831
YIQ	220.2740, -6.2830, 9.2450

Conversions

Conversions Part 2

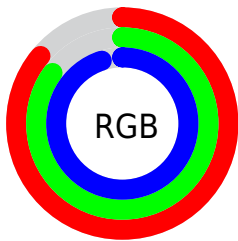
Format	Color
RYB	220, 216, 243
Decimal	14473459
CIELab	87.39, 6.45, -12.71
CIELCh	87, 14.254, 296.903
Yxy	70.7984, 0.2979, 0.3002
Android (android.graphics.Color)	4292663539 (0xFFDCD8F3)
YUV	220.2740, 11.2039, -0.2403
Hunter-Lab	84.1418, 1.7942, -7.8891

Details

The Yxy color $70.7984, 0.2979, 0.3002$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $87.4331, 0.3266, 0.3567$, and the grayscale version is $71.6992, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $37.0769, 0.2943, 0.2931$ is the 20% darker color. If you saturate the color by 10%, you get $56.2246, 0.2825, 0.2711$, and if you desaturate by 10%, it is $87.6194, 0.3113, 0.3263$.

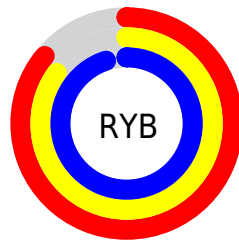
Distribution



Red (86%)

Green (85%)

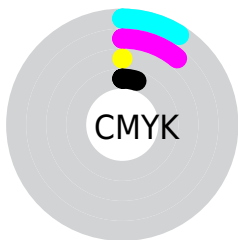
Blue (95%)



Red (86%)

Yellow (85%)

Blue (95%)

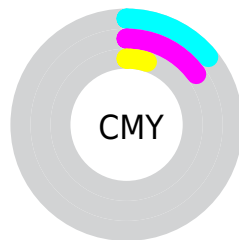


Cyan (9%)

Magenta (11%)

Yellow (0%)

Black (5%)



Cyan (14%)


Magenta (15%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.7984, 0.2979, 0.3002 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 70.7984, 0.2979, 0.3002 by changing the saturation by 10% instead.

 70.7984, 0.2979,
0.3002

 70.7984, 0.2979,
0.3002


463.3484, 0.3048,
0.3134

 52.1777, 0.2963,
0.2972


120.3466, 0.3003,
0.3048

 37.1467, 0.2943,
0.2936


152.0429, 0.3013,
0.3065

 25.3211, 0.2918,
0.2889


188.8666, 0.3021,
0.3081

 16.3165, 0.2884,
0.2830

231.2019, 0.3028,
0.3094

 9.7484, 0.2839,
0.2749

279.4334, 0.3034,
0.3106

 5.2324, 0.2772,
0.2634


333.9453, 0.3039,


 2.3843, 0.2667,

0.3116

0.2460


395.1222, 0.3044,
0.3126


 0.8178, 0.2478,
0.2160


 0.0000, 0.0000,
0.0000


 70.7984, 0.2979,
0.3002


 70.7984, 0.2979,
0.3002


 56.2246, 0.2825,
0.2711

 87.6194, 0.3113,
0.3263

 43.7940, 0.2653,
0.2392

 99.2532, 0.3197,
0.3405

 33.4075, 0.2466,
0.2054

 24.9551, 0.2269,
0.1710

■ 18.3159, 0.2072,
0.1380

■ 13.3555, 0.1890,
0.1088

■ 9.9205, 0.1735,
0.0858

■ 7.8286, 0.1619,
0.0704

■ 6.8506, 0.1552,
0.0628

Harmonies

Analogous

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



70.7984, 0.2851, 0.3015



70.7984, 0.2979, 0.3002



70.7984, 0.3150, 0.3061

Triad

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



70.7984, 0.2979, 0.3002



70.7984, 0.3470, 0.3466



70.7984, 0.2936, 0.3405

Complementary

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



70.7984, 0.2979, 0.3002



87.4331, 0.3266, 0.3567

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.



70.7984, 0.3097, 0.3536



70.7984, 0.2979, 0.3002



70.7984, 0.3408, 0.3567

Square

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



70.7984, 0.2979, 0.3002



70.7984, 0.3437, 0.3323



70.7984, 0.3270, 0.3595



70.7984, 0.2827, 0.3244

Rectangle

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



70.7984, 0.2979, 0.3002



70.7984, 0.3266, 0.3134



70.7984, 0.3270, 0.3595



70.7984, 0.2986, 0.3454

Sweetspot

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



70.8014, 0.2979, 0.3002



94.0015, 0.3089, 0.3216



83.0565, 0.2956, 0.3252



19.7855, 0.3079, 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.



70.8014, 0.2979, 0.3002



75.6778, 0.2951, 0.2949



72.9272, 0.3070, 0.3010



16.0449, 0.3002, 0.3047



3.7939, 0.1560, 0.0633



0.3684, 0.1656, 0.0686

Inverse Universe

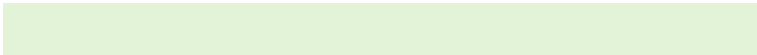
The Inverse Universe completely reimagines the original color for something new.



74.4038, 0.3167, 0.3056



80.3295, 0.3174, 0.3015



85.2340, 0.3179, 0.3575



16.7235, 0.3161, 0.3091



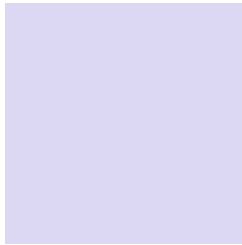
12.9429, 0.3625, 0.1770



1.1488, 0.3564, 0.1737

Previews

White Background



This preview shows how the Yxy color 70.7984, 0.2979, 0.3002 looks on a white background.

Color Contrast Check

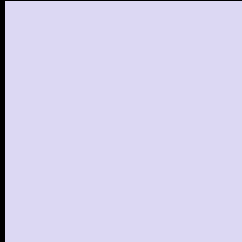
Large Text (above 18pt) WCAG AA × Fail

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 70.7984, 0.2979, 0.3002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

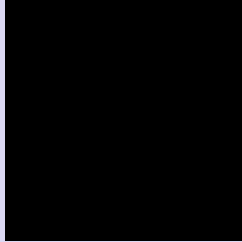
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.7984, 0.2979, 0.3002

Background



This preview shows how black text looks on a background with the Yxy color 70.7984, 0.2979, 0.3002.



This preview shows how white text looks on a background with the Yxy color 70.7984, 0.2979, 0.3002.

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

70.7984, 0.2979, 0.3002

Protanopia

70.6044, 0.2939, 0.3000

Deuteranopia

70.7782, 0.3035, 0.2966



Tritanopia

70.6839, 0.3023, 0.3096

Trichromacy



Original Color
70.7984, 0.2979, 0.3002

Protanomaly
70.9091, 0.2953, 0.3001

Deuteranomaly
70.7935, 0.3014, 0.2974

Tritanomaly
70.8588, 0.3004, 0.3065

Monochromacy



Original Color
70.7984, 0.2979, 0.3002

Achromatopsia
71.5694, 0.3127, 0.3290

Achromatomaly
71.4801, 0.3075, 0.3193

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7984, 0.2979, 0.3002 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(220, 216, 243) looks like.

```
.text, #text, p{  
    color:rgb(220, 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(220, 216, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 216, 243) }
```

Border

The CSS property to change the border of an element to Yxy 70.7984, 0.2979, 0.3002 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(220, 216, 243) }
```

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

```
.border{ border-color:rgb(220, 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(220, 216, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 216, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 216, 243);  
box-shadow:4px 4px 4px 4px rgb(220, 216,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7984, 0.2979, 0.3002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 216, 243) }
```

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

```
.background{ background-color: rgb(220,  
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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