

Converting Colors

$Yxy(63.6771, 0.2979, 0.2829)$

Have a look what the booklet for
Yxy(63.6771, 0.2979, 0.2829)
contains.

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Color

Yxy(63.6771, 0.2979, 0.2829)

Conversions

Conversions Part 1

Format	Color
Hex	DDC9F4
RGB	221, 201, 244
RGB Percent	87%, 79%, 96%
CMY	0.1330, 0.2119, 0.0431
CMYK	0.09, 0.18, 0.00, 0.04
HSL	268°, 66%, 87%
HSV	268°, 18%, 96%
XYZ	67.0534, 63.6771, 94.3565
YIQ	211.8820, -1.8830, 17.6130

Conversions

Conversions Part 2

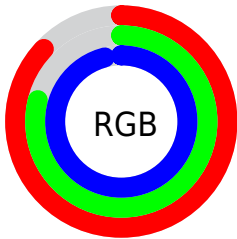
Format	Color
R _Y B	221, 201, 244
Decimal	14535156
CIE Lab	83.80, 14.95, -18.61
CIE LCh	84, 23.871, 308.763
Yxy	63.6771, 0.2979, 0.2829
Android (android.graphics.Color)	4292725236 (0xFFDDC9F4)
YUV	211.8820, 15.8342, 7.9965
Hunter-Lab	79.7979, 10.3454, -14.2485

Details

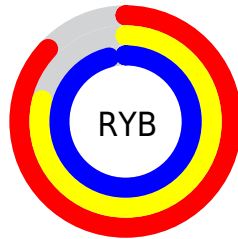
The Yxy color $63.6771, 0.2979, 0.2829$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $84.7608, 0.3256, 0.3749$, and the grayscale version is $65.6571, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $32.6053, 0.2940, 0.2720$ is the 20% darker color. If you saturate the color by 10%, you get $51.2300, 0.2876, 0.2540$, and if you desaturate by 10%, it is $78.0948, 0.3068, 0.3099$.

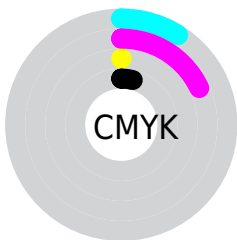
Distribution



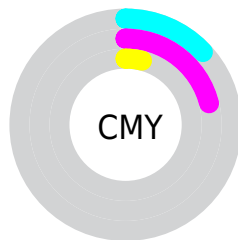
- Red (87%)
- Green (79%)
- Blue (96%)



- Red (87%)
- Yellow (79%)
- Blue (96%)



- Cyan (9%)
- Magenta (18%)
- Yellow (0%)
- Black (4%)



- Cyan (13%)
- Magenta (21%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.6771, 0.2979, 0.2829 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 63.6771, 0.2979, 0.2829 by changing the saturation by 10% instead.

63.6771, 0.2979,
0.2829

63.6771, 0.2979,
0.2829

438.0227, 0.3051,
0.3041

46.3892, 0.2962,
0.2781

110.1458, 0.3005,
0.2902

32.5531, 0.2940,
0.2723

140.0953, 0.3015,
0.2930

21.7843, 0.2912,
0.2649

175.0342, 0.3023,
0.2955

13.6985, 0.2874,
0.2553

215.3469, 0.3030,
0.2977

7.9113, 0.2820,
0.2424

261.4176, 0.3036,
0.2995

4.0382, 0.2739,
0.2243

313.6309, 0.3042,

1.6950, 0.2606,

0.3012

0.1970

372.3711, 0.3047,
0.3027

0.4204, 0.2402,
0.1321

0.0000, 0.0000,
0.0000

63.6771, 0.2979,
0.2829

63.6771, 0.2979,
0.2829

51.2300, 0.2876,
0.2540

78.0948, 0.3068,
0.3099

40.6567, 0.2760,
0.2239

94.5579, 0.3144,
0.3346

31.8643, 0.2631,
0.1935

99.3126, 0.3191,
0.3395

24.7483, 0.2494,
0.1642

■ 19.1931, 0.2353,
0.1375

■ 15.0677, 0.2214,
0.1150

■ 12.2185, 0.2084,
0.0979

■ 10.4420, 0.1969,
0.0866

■ 10.1074, 0.1944,
0.0844

Harmonies

Analogous

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



63.6771, 0.2726, 0.2797



63.6771, 0.2979, 0.2829



63.6771, 0.3284, 0.2970

Triad

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



63.6771, 0.2979, 0.2829



63.6771, 0.3699, 0.3666



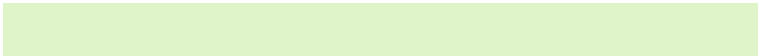
63.6771, 0.2709, 0.3376

Complementary

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



63.6771, 0.2979, 0.2829



84.7608, 0.3256, 0.3749

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.



63.6771, 0.2954, 0.3645



63.6771, 0.2979, 0.2829



63.6771, 0.3528, 0.3808

Square

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



63.6771, 0.2979, 0.2829



63.6771, 0.3711, 0.3438



63.6771, 0.3254, 0.3806



63.6771, 0.2577, 0.3096

Rectangle

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



63.6771, 0.2979, 0.2829



63.6771, 0.3475, 0.3109



63.6771, 0.3254, 0.3806



63.6771, 0.2781, 0.3472

Sweetspot

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



63.6798, 0.2979, 0.2829



90.8671, 0.3089, 0.3166



72.2215, 0.2850, 0.3070



19.1845, 0.3084, 0.3148



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.



63.6798, 0.2979, 0.2829



65.4465, 0.2945, 0.2732



67.2758, 0.3137, 0.2851



16.3060, 0.3053, 0.3051



5.5747, 0.1960, 0.0853



0.5505, 0.2098, 0.0929

Inverse Universe

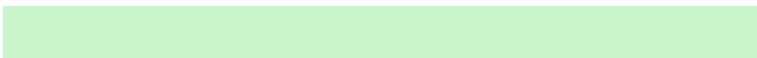
The Inverse Universe completely reimagines the original color for something new.



66.3761, 0.3294, 0.3052



68.9561, 0.3332, 0.3003



81.5411, 0.3114, 0.3769



16.6302, 0.3210, 0.3165



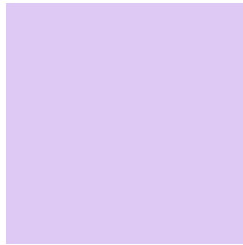
11.3629, 0.4821, 0.2429



1.0194, 0.4563, 0.2287

Previews

White Background



This preview shows how the Yxy color 63.6771, 0.2979, 0.2829 looks on a white background.

Color Contrast Check

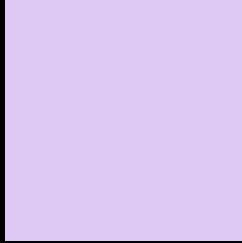
Large Text (above 18pt) WCAG AA × Fail

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 63.6771, 0.2979, 0.2829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

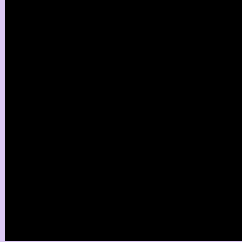
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.6771, 0.2979, 0.2829

Background



This preview shows how black text looks on a background with the Yxy color 63.6771, 0.2979, 0.2829.



This preview shows how white text looks on a background with the Yxy color 63.6771, 0.2979, 0.2829.

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

63.6771, 0.2979, 0.2829

Protanopia

63.8205, 0.2816, 0.2837

Deuteranopia

63.8029, 0.2928, 0.2865



Tritanopia

63.6348, 0.3105, 0.3112

Trichromacy



Original Color

63.6771, 0.2979, 0.2829

Protanomaly

63.7879, 0.2868, 0.2831

Deuteranomaly

63.7819, 0.2949, 0.2857

Tritanomaly

63.7483, 0.3058, 0.3015

Monochromacy



Original Color

63.6771, 0.2979, 0.2829

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

64.9406, 0.3069, 0.3112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.6771, 0.2979, 0.2829 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, 201, 244)` looks like.

```
.text, #text, p{  
  color:rgb(221, 201, 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, 201, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 201, 244) }
```

Border

The CSS property to change the border of an element to Yxy 63.6771, 0.2979, 0.2829 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, 201, 244) }
```

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

```
.border{ border-color:rgb(221, 201, 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, 201, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 201, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 201, 244);  
box-shadow:4px 4px 4px 4px rgb(221, 201,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 63.6771, 0.2979, 0.2829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 201, 244) }
```

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

```
.background{ background-color: rgb(221,  
201, 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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