

Converting Colors

$Y_{xy}(70.9222, 0.2903, 0.2886)$

Have a look what the booklet for
Yxy(70.9222, 0.2903, 0.2886)
contains.

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Color

Yxy(70.8167, 0.2904, 0.2880)

Conversions

Conversions Part 1

Format	Color
Hex	DBD7FE
RGB	219, 215, 254
RGB Percent	86%, 84%, 100%
CMY	0.1411, 0.1569, 0.0039
CMYK	0.14, 0.15, 0.00, 0.00
HSL	246°, 95%, 92%
HSV	246°, 15%, 100%
XYZ	71.4068, 70.8167, 103.6678
YIQ	220.6420, -10.1350, 12.9770

Conversions

Conversions Part 2

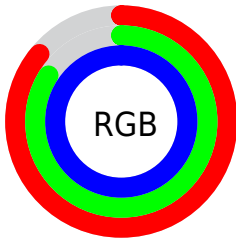
Format	Color
R _{YB}	219, 215, 254
Decimal	14407678
CIE Lab	87.40, 8.87, -18.49
CIE LCh	87, 20.502, 295.624
Yxy	70.8167, 0.2904, 0.2880
Android (android.graphics.Color)	4292597758 (0xFFDBD7FE)
YUV	220.6420, 16.4455, -1.4400
Hunter-Lab	84.1527, 4.1971, -14.1326

Details

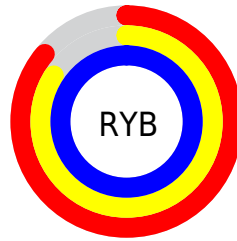
The Yxy color **70.8167, 0.2904, 0.2880** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **96.1076, 0.3332, 0.3676**, and the grayscale version is **71.9338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.0653, 0.2854, 0.2787** is the 20% darker color. If you saturate the color by 10%, you get **55.5775, 0.2733, 0.2573**, and if you desaturate by 10%, it is **88.5534, 0.3055, 0.3156**.

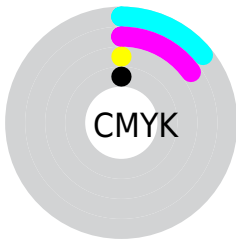
Distribution



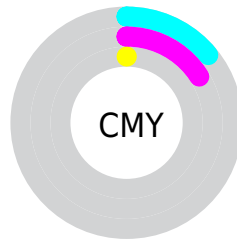
- Red (86%)
- Green (84%)
- Blue (100%)



- Red (86%)
- Yellow (84%)
- Blue (100%)



- Cyan (14%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.8167, 0.2904, 0.2880 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 70.8167, 0.2904, 0.2880 by changing the saturation by 10% instead.

70.8167, 0.2904,
0.2880

70.8167, 0.2904,
0.2880

463.4124, 0.3008,
0.3066

52.1926, 0.2880,
0.2838

120.3727, 0.2940,
0.2944

37.1586, 0.2850,
0.2787

152.0734, 0.2954,
0.2969

25.3303, 0.2812,
0.2724

188.9018, 0.2967,
0.2991

16.3233, 0.2763,
0.2641

231.2422, 0.2977,
0.3010

9.7532, 0.2695,
0.2532

279.4791, 0.2986,
0.3026

5.2357, 0.2598,
0.2379

333.9968, 0.2995,

2.3862, 0.2447,

0.3041

0.2152

395.1798, 0.3002,
0.3054

■ 0.8188, 0.2186,
0.1783

■ 0.0000, 0.0000,
0.0000

■ 70.8167, 0.2904,
0.2880

■ 70.8167, 0.2904,
0.2880

■ 55.5775, 0.2733,
0.2573

■ 88.5534, 0.3055,
0.3156

■ 42.7150, 0.2545,
0.2240

99.9356, 0.3133,
0.3300

■ 32.1118, 0.2344,
0.1891

■ 23.6368, 0.2139,
0.1545

■ 17.1456, 0.1944,
0.1225

■ 12.4756, 0.1773,
0.0955

■ 9.4382, 0.1640,
0.0759

■ 7.8029, 0.1553,
0.0646

■ 7.3777, 0.1528,
0.0615

Harmonies

Analogous

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



70.8167, 0.2727, 0.2900



70.8167, 0.2904, 0.2880



70.8167, 0.3147, 0.2960

Triad

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



70.8167, 0.2904, 0.2880



70.8167, 0.3622, 0.3529



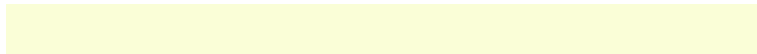
70.8167, 0.2861, 0.3465

Complementary

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



70.8167, 0.2904, 0.2880



96.1076, 0.3332, 0.3676

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.



70.8167, 0.3093, 0.3654



70.8167, 0.2904, 0.2880



70.8167, 0.3536, 0.3682

Square

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



70.8167, 0.2904, 0.2880



70.8167, 0.3569, 0.3324



70.8167, 0.3340, 0.3733



70.8167, 0.2703, 0.3229

Rectangle

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



70.8167, 0.2904, 0.2880



70.8167, 0.3315, 0.3060



70.8167, 0.3340, 0.3733



70.8167, 0.2932, 0.3537

Sweetspot

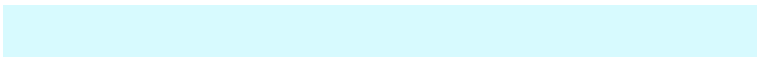
The Sweet Spot groups the original color and five complimentary colors.



70.8196, 0.2904, 0.2880



90.0285, 0.3060, 0.3165



90.0343, 0.2892, 0.3249



18.9812, 0.3050, 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.



70.8196, 0.2904, 0.2880



67.1410, 0.2861, 0.2802



74.0025, 0.3036, 0.2896



17.4673, 0.2995, 0.3045



3.9184, 0.1534, 0.0619



0.4097, 0.1601, 0.0656

Inverse Universe

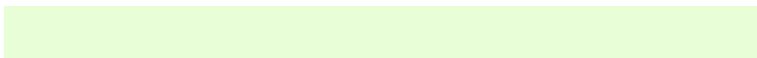
The Inverse Universe completely reimagines the original color for something new.



76.5717, 0.3172, 0.2947



73.8289, 0.3181, 0.2886



92.7103, 0.3206, 0.3691



18.2662, 0.3154, 0.3080



14.0693, 0.3488, 0.1695



1.3788, 0.3452, 0.1675

Previews

White Background



This preview shows how the Yxy color 70.8167, 0.2904, 0.2880 looks on a white background.

Color Contrast Check

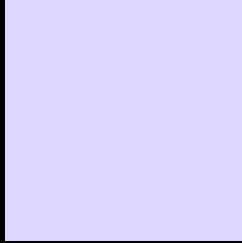
Large Text (above 18pt) WCAG AA × Fail

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 70.8167, 0.2904, 0.2880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

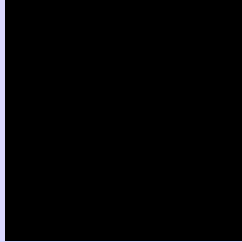
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.8167, 0.2904, 0.2880

Background



This preview shows how black text looks on a background with the Yxy color 70.8167, 0.2904, 0.2880.



This preview shows how white text looks on a background with the Yxy color 70.8167, 0.2904, 0.2880.

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

70.8167, 0.2904, 0.2880

Protanopia

70.8428, 0.2853, 0.2886

Deuteranopia

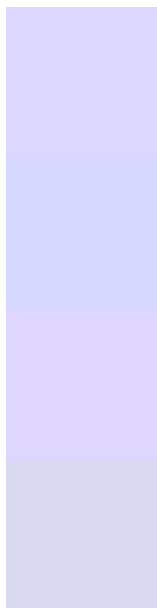
70.9369, 0.2930, 0.2873



Tritanopia

70.7399, 0.3002, 0.3106

Trichromacy



Original Color

70.8167, 0.2904, 0.2880

Protanomaly

70.7788, 0.2872, 0.2878

Deuteranomaly

70.7785, 0.2924, 0.2872

Tritanomaly

70.7882, 0.2965, 0.3022

Monochromacy



Original Color

70.8167, 0.2904, 0.2880

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

71.7619, 0.3043, 0.3139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8167, 0.2904, 0.2880 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(219, 215, 254)` looks like.

```
.text, #text, p{  
    color:rgb(219, 215, 254)  
}
```

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(219, 215, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 215, 254) }
```

Border

The CSS property to change the border of an element to Yxy 70.8167, 0.2904, 0.2880 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(219, 215, 254) }
```

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

```
.border{ border-color:rgb(219, 215, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 215, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 215, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 215, 254);  
box-shadow:4px 4px 4px 4px rgb(219, 215,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8167, 0.2904, 0.2880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 215, 254) }
```

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

```
.background{ background-color: rgb(219,  
215, 254) }
```

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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