

Converting Colors

$Y_{xy}(71.0620, 0.2879, 0.2750)$

Have a look what the booklet for
Yxy(71.0620, 0.2879, 0.2750)
contains.

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Color

Yxy(70.3145, 0.2937, 0.2843)

Conversions

Conversions Part 1

Format	Color
Hex	E1D4FF
RGB	225, 212, 255
RGB Percent	88%, 83%, 100%
CMY	0.1178, 0.1686, 0.0000
CMYK	0.12, 0.17, 0.00, 0.00
HSL	258°, 100%, 92%
HSV	258°, 17%, 100%
XYZ	72.6394, 70.3145, 104.3712
YIQ	220.7890, -6.0550, 16.1290

Conversions

Conversions Part 2

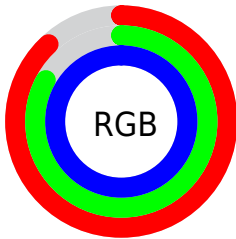
Format	Color
R _Y B	225, 212, 255
Decimal	14800127
CIE Lab	87.15, 12.52, -19.35
CIE LCh	87, 23.050, 302.907
Yxy	70.3145, 0.2937, 0.2843
Android (android.graphics.Color)	4292990207 (0xFFE1D4FF)
YUV	220.7890, 16.8660, 3.6930
Hunter-Lab	83.8537, 7.8838, -15.0995

Details

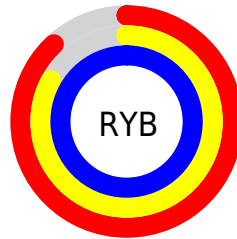
The Yxy color **70.3145, 0.2937, 0.2843** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **95.1599, 0.3297, 0.3722**, and the grayscale version is **72.0310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.6262, 0.2888, 0.2739** is the 20% darker color. If you saturate the color by 10%, you get **55.8415, 0.2802, 0.2544**, and if you desaturate by 10%, it is **87.1023, 0.3056, 0.3118**.

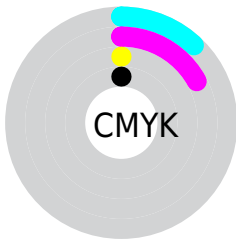
Distribution



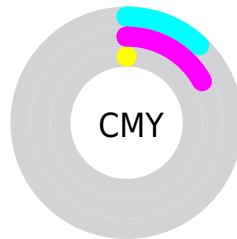
- Red (88%)
- Green (83%)
- Blue (100%)



- Red (88%)
- Yellow (83%)
- Blue (100%)



- Cyan (12%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)





- Cyan (12%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.3145, 0.2937, 0.2843 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 70.3145, 0.2937, 0.2843 by changing the saturation by 10% instead.


 70.3145, 0.2937,
0.2843

 70.3145, 0.2937,
0.2843


461.6535, 0.3027,
0.3045

 51.7830, 0.2916,
0.2798


119.6571, 0.2969,
0.2912

 36.8321, 0.2890,
0.2743


151.2370, 0.2981,
0.2939

 25.0775, 0.2857,
0.2674


187.9352, 0.2991,
0.2963

 16.1348, 0.2813,
0.2586

230.1360, 0.3000,
0.2983

 9.6196, 0.2753,
0.2469

278.2238, 0.3008,
0.3002

 5.1475, 0.2666,
0.2307

332.5831, 0.3015,

 2.3341, 0.2530,

0.3018

0.2069

393.5982, 0.3021,
0.3032

0.7916, 0.2291,
0.1684

0.0000, 0.0058,
0.0000

70.3145, 0.2937,
0.2843

70.3145, 0.2937,
0.2843

55.8415, 0.2802,
0.2544

87.1023, 0.3056,
0.3118

43.5759, 0.2650,
0.2226

100.0000, 0.3127,
0.3290

33.4075, 0.2485,
0.1900

25.2153, 0.2311,
0.1579

■ 18.8650, 0.2138,
0.1285

■ 14.2054, 0.1975,
0.1035

■ 11.0599, 0.1832,
0.0848

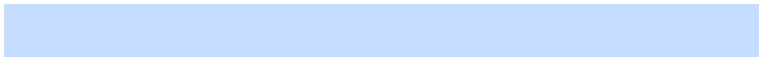
■ 9.2072, 0.1717,
0.0730

■ 8.7908, 0.1687,
0.0703

Harmonies

Analogous

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



70.3145, 0.2716, 0.2835



70.3145, 0.2937, 0.2843



70.3145, 0.3218, 0.2957

Triad

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



70.3145, 0.2937, 0.2843



70.3145, 0.3676, 0.3606



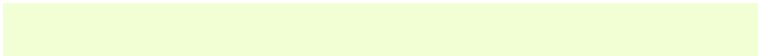
70.3145, 0.2774, 0.3424

Complementary

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



70.3145, 0.2937, 0.2843



95.1599, 0.3297, 0.3722

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.



70.3145, 0.3019, 0.3660



70.3145, 0.2937, 0.2843



70.3145, 0.3543, 0.3757

Square

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



70.3145, 0.2937, 0.2843



70.3145, 0.3655, 0.3384



70.3145, 0.3301, 0.3783



70.3145, 0.2626, 0.3157

Rectangle

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



70.3145, 0.2937, 0.2843



70.3145, 0.3403, 0.3080



70.3145, 0.3301, 0.3783



70.3145, 0.2848, 0.3511

Sweetspot

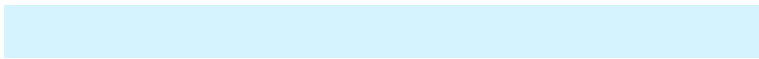
The Sweet Spot groups the original color and five complimentary colors.



70.3158, 0.2937, 0.2843



90.4826, 0.3076, 0.3166



84.7853, 0.2865, 0.3156



19.0912, 0.3068, 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.



70.3158, 0.2937, 0.2843



65.5227, 0.2896, 0.2752



73.9796, 0.3086, 0.2863



17.6430, 0.3026, 0.3048



4.6609, 0.1701, 0.0711



0.5079, 0.1819, 0.0776

Inverse Universe

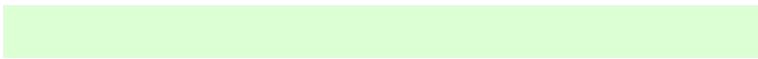
The Inverse Universe completely reimagines the original color for something new.



74.7675, 0.3235, 0.2993



70.7152, 0.3259, 0.2936



91.5853, 0.3159, 0.3741



18.2016, 0.3184, 0.3125



12.8196, 0.4154, 0.2062



1.2676, 0.4019, 0.1988

Previews

White Background



This preview shows how the Yxy color 70.3145, 0.2937, 0.2843 looks on a white background.

Color Contrast Check

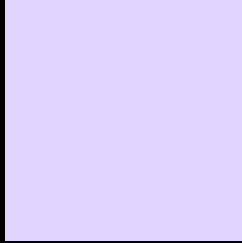
Large Text (above 18pt) WCAG AA × Fail

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 70.3145, 0.2937, 0.2843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

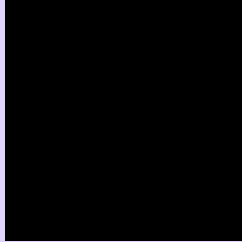
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.3145, 0.2937, 0.2843

Background



This preview shows how black text looks on a background with the Yxy color 70.3145, 0.2937, 0.2843.

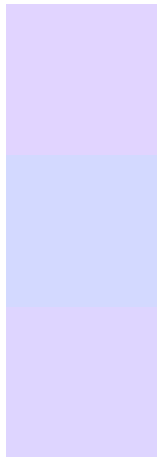


This preview shows how white text looks on a background with the Yxy color 70.3145, 0.2937, 0.2843.

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

70.3145, 0.2937, 0.2843

Protanopia

70.6946, 0.2846, 0.2885

Deuteranopia

70.3381, 0.2917, 0.2851



Tritanopia

70.3671, 0.3050, 0.3107

Trichromacy



Original Color

70.3145, 0.2937, 0.2843

Protanomaly

70.4198, 0.2878, 0.2868

Deuteranomaly

70.4965, 0.2924, 0.2852

Tritanomaly

70.4813, 0.3006, 0.3013

Monochromacy



Original Color

70.3145, 0.2937, 0.2843

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

71.5556, 0.3057, 0.3129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3145, 0.2937, 0.2843 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(225, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 212, 255)  
}
```

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(225, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 212, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.3145, 0.2937, 0.2843 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(225, 212, 255) }
```

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

```
.border{ border-color:rgb(225, 212, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(225, 212,  
255) }
```


Background

The CSS property to change the background color of an element to `rgb(70.3145, 0.2937, 0.2843)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 212, 255) }
```

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

```
.background{ background-color: rgb(225,  
212, 255) }
```

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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