

Converting Colors

Yxy(69.6441, 0.2916, 0.2837)

Have a look what the booklet for
Yxy(69.6441, 0.2916, 0.2837)
contains.

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Color

Yxy(69.8366, 0.2917, 0.2840)

Conversions

Conversions Part 1

Format	Color
Hex	DED4FF
RGB	222, 212, 255
RGB Percent	87%, 83%, 100%
CMY	0.1293, 0.1687, 0.0000
CMYK	0.13, 0.17, 0.00, 0.00
HSL	254°, 100%, 92%
HSV	254°, 17%, 100%
XYZ	71.7301, 69.8366, 104.3369
YIQ	219.8920, -7.8430, 15.4930

Conversions

Conversions Part 2

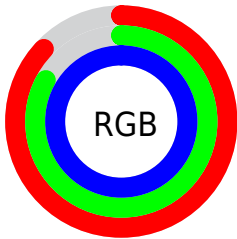
Format	Color
R _Y B	222, 212, 255
Decimal	14603519
CIE Lab	86.92, 11.62, -19.73
CIE LCh	87, 22.900, 300.484
Yxy	69.8366, 0.2917, 0.2840
Android (android.graphics.Color)	4292793599 (0xFFDED4FF)
YUV	219.8920, 17.3082, 1.8487
Hunter-Lab	83.5683, 6.9693, -15.5271

Details

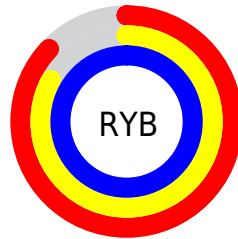
The Yxy color $69.8366, 0.2917, 0.2840$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $95.6770, 0.3316, 0.3720$, and the grayscale version is $71.3749, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $36.4066, 0.2870, 0.2737$ is the 20% darker color. If you saturate the color by 10%, you get $55.1699, 0.2769, 0.2537$, and if you desaturate by 10%, it is $86.8753, 0.3048, 0.3117$.

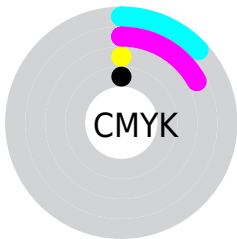
Distribution



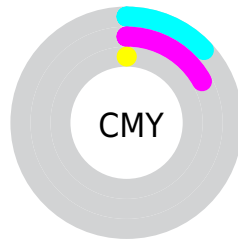
- Red (87%)
- Green (83%)
- Blue (100%)



- Red (87%)
- Yellow (83%)
- Blue (100%)



- Cyan (13%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8366, 0.2917, 0.2840 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 69.8366, 0.2917, 0.2840 by changing the saturation by 10% instead.

69.8366, 0.2917,
0.2840

69.8366, 0.2917,
0.2840

459.9761, 0.3016,
0.3044

51.3933, 0.2894,
0.2795

118.9757, 0.2952,
0.2910

36.5217, 0.2865,
0.2739

150.4403, 0.2965,
0.2937

24.8374, 0.2829,
0.2669

187.0142, 0.2977,
0.2961

15.9560, 0.2781,
0.2580

229.0817, 0.2987,
0.2982

9.4930, 0.2716,
0.2462

277.0273, 0.2995,
0.3000

5.0641, 0.2621,
0.2297

331.2353, 0.3003,

2.2849, 0.2472,

0.3016

0.2054

392.0901, 0.3010,
0.3031

0.7657, 0.2215,
0.1658

0.0000, 0.0000,
0.0000

69.8366, 0.2917,
0.2840

69.8366, 0.2917,
0.2840

55.1699, 0.2769,
0.2537

86.8753, 0.3048,
0.3117

42.7672, 0.2603,
0.2213

100.0000, 0.3127,
0.3290

32.5144, 0.2424,
0.1878

24.2866, 0.2238,
0.1549

■ 17.9459, 0.2056,
0.1246

■ 13.3366, 0.1888,
0.0991

■ 10.2773, 0.1747,
0.0803

■ 8.5409, 0.1641,
0.0688

■ 8.1672, 0.1614,
0.0663

Harmonies

Analogous

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



69.8366, 0.2705, 0.2842



69.8366, 0.2917, 0.2840



69.8366, 0.3195, 0.2946

Triad

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



69.8366, 0.2917, 0.2840



69.8366, 0.3678, 0.3589



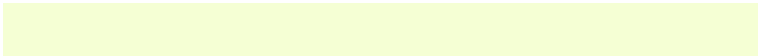
69.8366, 0.2793, 0.3445

Complementary

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



69.8366, 0.2917, 0.2840



95.6770, 0.3316, 0.3720

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.



69.8366, 0.3042, 0.3674



69.8366, 0.2917, 0.2840



69.8366, 0.3557, 0.3747

Square

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



69.8366, 0.2917, 0.2840



69.8366, 0.3645, 0.3365



69.8366, 0.3322, 0.3785



69.8366, 0.2636, 0.3178

Rectangle

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



69.8366, 0.2917, 0.2840



69.8366, 0.3381, 0.3064



69.8366, 0.3322, 0.3785



69.8366, 0.2868, 0.3530

Sweetspot

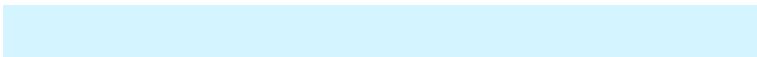
The Sweet Spot groups the original color and five complimentary colors.



69.8371, 0.2917, 0.2840



90.3268, 0.3070, 0.3165



86.4987, 0.2867, 0.3185



19.0534, 0.3062, 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.



69.8371, 0.2917, 0.2840



64.9915, 0.2873, 0.2748



73.4510, 0.3066, 0.2860



17.5825, 0.3015, 0.3047



4.3231, 0.1627, 0.0670



0.4680, 0.1733, 0.0728

Inverse Universe

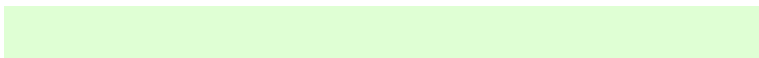
The Inverse Universe completely reimagines the original color for something new.



74.9315, 0.3215, 0.2965



70.9220, 0.3234, 0.2903



92.0339, 0.3177, 0.3739



18.2235, 0.3174, 0.3110



13.2021, 0.3907, 0.1926



1.3022, 0.3810, 0.1873

Previews

White Background



This preview shows how the Yxy color 69.8366, 0.2917, 0.2840 looks on a white background.

Color Contrast Check

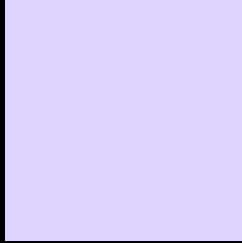
Large Text (above 18pt) WCAG AA × Fail

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 69.8366, 0.2917, 0.2840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

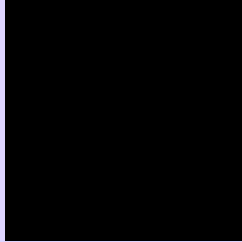
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.8366, 0.2917, 0.2840

Background



This preview shows how black text looks on a background with the Yxy color 69.8366, 0.2917, 0.2840.

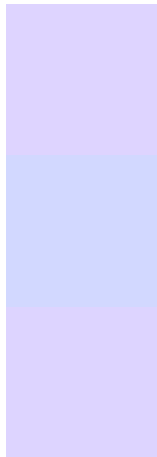


This preview shows how white text looks on a background with the Yxy color 69.8366, 0.2917, 0.2840.

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

69.8366, 0.2917, 0.2840

Protanopia

70.0334, 0.2839, 0.2874

Deuteranopia

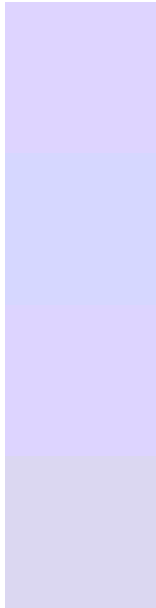
69.6791, 0.2910, 0.2840



Tritanopia

69.9004, 0.3029, 0.3106

Trichromacy



Original Color

69.8366, 0.2917, 0.2840

Protanomaly

70.1170, 0.2865, 0.2866

Deuteranomaly

69.6791, 0.2910, 0.2840

Tritanomaly

70.0118, 0.2985, 0.3012

Monochromacy



Original Color

69.8366, 0.2917, 0.2840

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

70.8811, 0.3050, 0.3118

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.8366, 0.2917, 0.2840 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(222, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 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(222, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 212, 255) }
```

Border

The CSS property to change the border of an element to Yxy 69.8366, 0.2917, 0.2840 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(222, 212, 255) }
```

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

```
.border{ border-color:rgb(222, 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(222, 212, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(222, 212,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 69.8366, 0.2917, 0.2840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 212, 255) }
```

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

```
.background{ background-color: rgb(222,  
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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