

Converting Colors

Yxy(69.9125, 0.2992, 0.2828)

Have a look what the booklet for
Yxy(69.9125, 0.2992, 0.2828)
contains.

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Color

Yxy(69.9125, 0.2992, 0.2828)

Conversions

Conversions Part 1

Format	Color
Hex	E8D1FE
RGB	232, 209, 254
RGB Percent	91%, 82%, 100%
CMY	0.0902, 0.1804, 0.0040
CMYK	0.09, 0.18, 0.00, 0.00
HSL	271°, 96%, 91%
HSV	271°, 18%, 100%
XYZ	73.9668, 69.9125, 103.3360
YIQ	221.0070, -0.7370, 18.8710

Conversions

Conversions Part 2

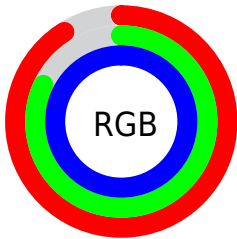
Format	Color
R _Y B	232, 209, 254
Decimal	15258110
CIE Lab	86.95, 16.14, -19.04
CIE LCh	87, 24.958, 310.290
Yxy	69.9125, 0.2992, 0.2828
Android (android.graphics.Color)	4293448190 (0xFFE8D1FE)
YUV	221.0070, 16.2655, 9.6409
Hunter-Lab	83.6137, 11.5817, -14.7454

Details

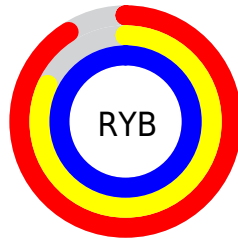
The Yxy color **69.9125, 0.2992, 0.2828** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **92.4517, 0.3243, 0.3754**, and the grayscale version is **72.1975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.7040, 0.2958, 0.2735** is the 20% darker color. If you saturate the color by 10%, you get **56.4272, 0.2898, 0.2542**, and if you desaturate by 10%, it is **85.5366, 0.3073, 0.3097**.

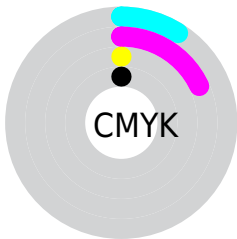
Distribution



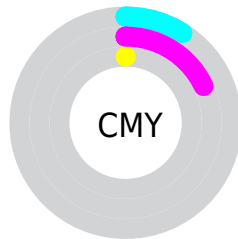
- Red (91%)
- Green (82%)
- Blue (100%)



- Red (91%)
- Yellow (82%)
- Blue (100%)



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.9125, 0.2992, 0.2828 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 69.9125, 0.2992, 0.2828 by changing the saturation by 10% instead.


 69.9125, 0.2992,
0.2828

 69.9125, 0.2992,
0.2828


460.2427, 0.3057,
0.3036

 51.4552, 0.2977,
0.2782


119.0840, 0.3015,
0.2899

 36.5710, 0.2957,
0.2725


150.5669, 0.3024,
0.2927

 24.8755, 0.2932,
0.2655


187.1606, 0.3031,
0.2951

 15.9843, 0.2899,
0.2565

229.2493, 0.3038,
0.2973

 9.5131, 0.2854,
0.2446

277.2174, 0.3044,
0.2991

 5.0773, 0.2786,
0.2281

331.4495, 0.3049,

 2.2927, 0.2677,

0.3008

0.2039

392.3298, 0.3053,
0.3023

0.7698, 0.2482,
0.1649

0.0000, 0.0708,
0.0000

69.9125, 0.2992,
0.2828

69.9125, 0.2992,
0.2828

56.4272, 0.2898,
0.2542

85.5366, 0.3073,
0.3097

44.9749, 0.2791,
0.2244

99.9339, 0.3133,
0.3300

35.4540, 0.2673,
0.1946

27.7503, 0.2547,
0.1660

■ 21.7372, 0.2415,
0.1401

■ 17.2709, 0.2285,
0.1183

■ 14.1827, 0.2162,
0.1019

■ 12.2496, 0.2051,
0.0911

■ 11.8949, 0.2027,
0.0890

Harmonies

Analogous

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



69.9125, 0.2732, 0.2789



69.9125, 0.2992, 0.2828



69.9125, 0.3302, 0.2976

Triad

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



69.9125, 0.2992, 0.2828



69.9125, 0.3701, 0.3681



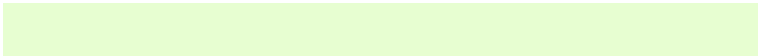
69.9125, 0.2694, 0.3362

Complementary

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



69.9125, 0.2992, 0.2828



92.4517, 0.3243, 0.3754

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.



69.9125, 0.2937, 0.3638



69.9125, 0.2992, 0.2828



69.9125, 0.3521, 0.3819

Square

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



69.9125, 0.2992, 0.2828



69.9125, 0.3723, 0.3453



69.9125, 0.3240, 0.3809



69.9125, 0.2566, 0.3080

Rectangle

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



69.9125, 0.2992, 0.2828



69.9125, 0.3493, 0.3119



69.9125, 0.3240, 0.3809



69.9125, 0.2764, 0.3460

Sweetspot

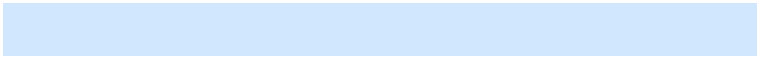
The Sweet Spot groups the original color and five complimentary colors.



69.9155, 0.2992, 0.2828



90.9713, 0.3093, 0.3166



78.1356, 0.2847, 0.3052



19.2098, 0.3088, 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.



69.9155, 0.2992, 0.2828



65.8364, 0.2962, 0.2735



73.8230, 0.3148, 0.2850



17.8346, 0.3059, 0.3050



6.3609, 0.2044, 0.0900



0.6844, 0.2165, 0.0966

Inverse Universe

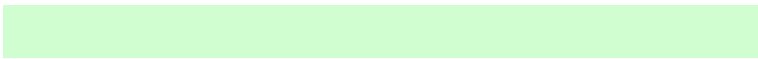
The Inverse Universe completely reimagines the original color for something new.



72.4367, 0.3309, 0.3070



68.8228, 0.3350, 0.3027



89.0248, 0.3104, 0.3774



18.1349, 0.3217, 0.3174



11.9062, 0.5014, 0.2536



1.1813, 0.4753, 0.2392

Previews

White Background



This preview shows how the Yxy color 69.9125, 0.2992, 0.2828 looks on a white background.

Color Contrast Check

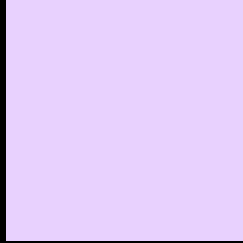
Large Text (above 18pt) WCAG AA × Fail

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 69.9125, 0.2992, 0.2828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

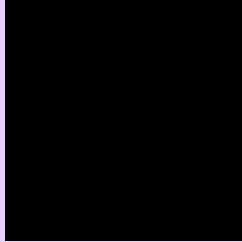
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.9125, 0.2992, 0.2828

Background



This preview shows how black text looks on a background with the Yxy color 69.9125, 0.2992, 0.2828.

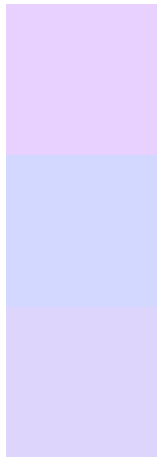


This preview shows how white text looks on a background with the Yxy color 69.9125, 0.2992, 0.2828.

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

69.9125, 0.2992, 0.2828

Protanopia

70.0334, 0.2839, 0.2874

Deuteranopia

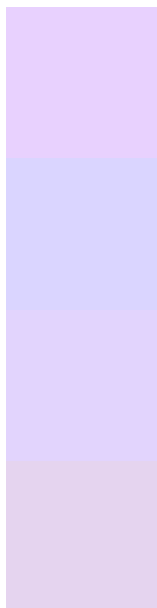
70.2099, 0.2930, 0.2871



Tritanopia

69.7957, 0.3121, 0.3109

Trichromacy



Original Color

69.9125, 0.2992, 0.2828

Protanomaly

69.7139, 0.2890, 0.2848

Deuteranomaly

70.3476, 0.2957, 0.2864

Tritanomaly

69.9770, 0.3068, 0.3006

Monochromacy



Original Color

69.9125, 0.2992, 0.2828

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

71.5165, 0.3078, 0.3119

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.9125, 0.2992, 0.2828 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(232, 209, 254)` looks like.

```
.text, #text, p{  
    color:rgb(232, 209, 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(232, 209, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 209, 254) }
```

Border

The CSS property to change the border of an element to Yxy 69.9125, 0.2992, 0.2828 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(232, 209, 254) }
```

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

```
.border{ border-color:rgb(232, 209, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 209, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 209, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 209, 254);  
box-shadow:4px 4px 4px 4px rgb(232, 209,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 69.9125, 0.2992, 0.2828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 209, 254) }
```

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

```
.background{ background-color: rgb(232,  
209, 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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