

Converting Colors

$Y_{xy}(73.0475, 0.2796, 0.2530)$

Have a look what the booklet for
Yxy(73.0475, 0.2796, 0.2530)
contains.

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Color

Yxy(70.8056, 0.2999, 0.2830)

Conversions

Conversions Part 1

Format	Color
Hex	EAD2FF
RGB	234, 210, 255
RGB Percent	92%, 82%, 100%
CMY	0.0823, 0.1765, 0.0000
CMYK	0.08, 0.18, 0.00, 0.00
HSL	272°, 100%, 91%
HSV	272°, 18%, 100%
XYZ	75.0339, 70.8056, 104.3569
YIQ	222.3060, -0.1410, 19.0830

Conversions

Conversions Part 2

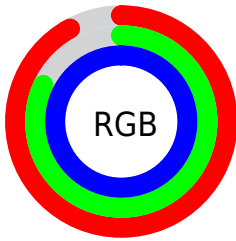
Format	Color
RYB	234, 210, 255
Decimal	15389439
CIELab	87.39, 16.46, -18.93
CIELCh	87, 25.085, 311.006
Yxy	70.8056, 0.2999, 0.2830
Android (android.graphics.Color)	4293579519 (0xFFEAD2FF)
YUV	222.3060, 16.1181, 10.2556
Hunter-Lab	84.1461, 11.9147, -14.6285

Details

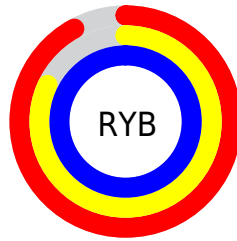
The Yxy color $70.8056, 0.2999, 0.2830$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $93.1616, 0.3237, 0.3753$, and the grayscale version is $73.1577, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $36.9849, 0.2968, 0.2725$ is the 20% darker color. If you saturate the color by 10%, you get $57.2548, 0.2910, 0.2546$, and if you desaturate by 10%, it is $86.4980, 0.3076, 0.3099$.

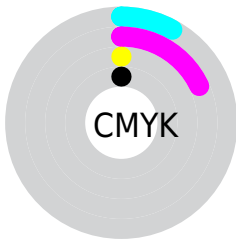
Distribution



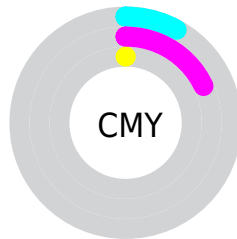
- Red (92%)
- Green (82%)
- Blue (100%)



- Red (92%)
- Yellow (82%)
- Blue (100%)



- Cyan (8%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)




- Cyan (8%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.8056, 0.2999, 0.2830 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 70.8056, 0.2999, 0.2830 by changing the saturation by 10% instead.


 70.8056, 0.2999,
0.2830

 70.8056, 0.2999,
0.2830

463.3736, 0.3061,
0.3037

 52.1836, 0.2984,
0.2784


120.3569, 0.3021,
0.2901

 37.1514, 0.2966,
0.2728


152.0549, 0.3029,
0.2928

 25.3247, 0.2943,
0.2659


188.8804, 0.3036,
0.2952

 16.3192, 0.2911,
0.2570

231.2178, 0.3043,
0.2974

 9.7503, 0.2868,
0.2452

279.4514, 0.3048,
0.2992

 5.2337, 0.2804,
0.2290

333.9656, 0.3053,

 2.3850, 0.2701,

0.3009

0.2053

395.1449, 0.3057,
0.3024

0.8182, 0.2515,
0.1678

0.0000, 0.1119,
0.0000

70.8056, 0.2999,
0.2830

70.8056, 0.2999,
0.2830

57.2548, 0.2910,
0.2546

86.4980, 0.3076,
0.3099

45.7478, 0.2808,
0.2251

100.0000, 0.3127,
0.3290

36.1795, 0.2696,
0.1955

28.4352, 0.2574,
0.1673

■ 22.3874, 0.2448,
0.1417

■ 17.8916, 0.2323,
0.1203

■ 14.7780, 0.2204,
0.1042

■ 12.8231, 0.2095,
0.0935

■ 12.4553, 0.2071,
0.0915

Harmonies

Analogous

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



70.8056, 0.2736, 0.2788



70.8056, 0.2999, 0.2830



70.8056, 0.3309, 0.2980

Triad

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



70.8056, 0.2999, 0.2830



70.8056, 0.3699, 0.3686



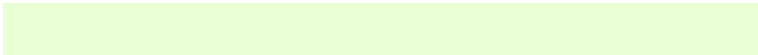
70.8056, 0.2689, 0.3355

Complementary

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



70.8056, 0.2999, 0.2830



93.1616, 0.3237, 0.3753

Split Complementary

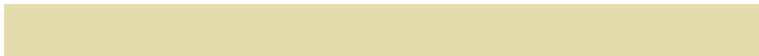
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.8056, 0.2930, 0.3633



70.8056, 0.2999, 0.2830



70.8056, 0.3516, 0.3821

Square

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



70.8056, 0.2999, 0.2830



70.8056, 0.3725, 0.3459



70.8056, 0.3232, 0.3807



70.8056, 0.2565, 0.3074

Rectangle

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



70.8056, 0.2999, 0.2830



70.8056, 0.3499, 0.3124



70.8056, 0.3232, 0.3807



70.8056, 0.2759, 0.3453

Sweetspot

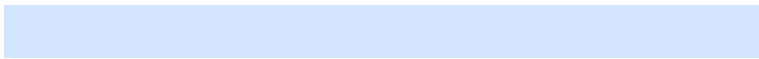
The Sweet Spot groups the original color and five complimentary colors.



70.8057, 0.2999, 0.2830



91.0222, 0.3095, 0.3166



78.0732, 0.2847, 0.3037



19.2222, 0.3090, 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.



70.8057, 0.2999, 0.2830



66.0285, 0.2971, 0.2737



74.4767, 0.3158, 0.2865



17.8547, 0.3063, 0.3050



6.5979, 0.2088, 0.0924



0.7075, 0.2206, 0.0989

Inverse Universe

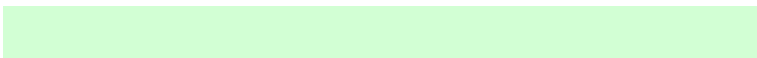
The Inverse Universe completely reimagines the original color for something new.



73.1223, 0.3316, 0.3080



68.7584, 0.3359, 0.3038



89.9498, 0.3096, 0.3755



18.1282, 0.3221, 0.3180



11.8341, 0.5106, 0.2587



1.1741, 0.4834, 0.2437

Previews

White Background



This preview shows how the Yxy color 70.8056, 0.2999, 0.2830 looks on a white background.

Color Contrast Check

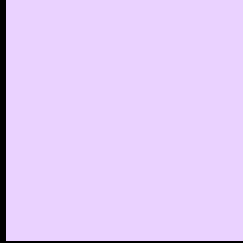
Large Text (above 18pt) WCAG AA × Fail

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 70.8056, 0.2999, 0.2830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

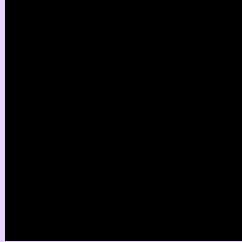
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

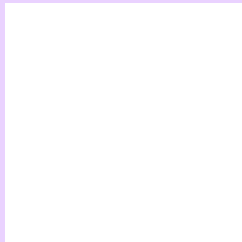
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.8056, 0.2999, 0.2830

Background



This preview shows how black text looks on a background with the Yxy color 70.8056, 0.2999, 0.2830.

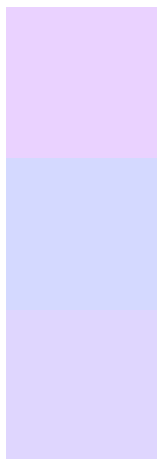


This preview shows how white text looks on a background with the Yxy color 70.8056, 0.2999, 0.2830.

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

70.8056, 0.2999, 0.2830

Protanopia

70.8428, 0.2853, 0.2886

Deuteranopia

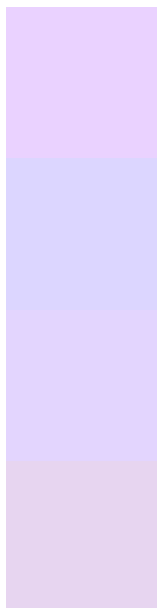
70.9369, 0.2930, 0.2873



Tritanopia

70.6857, 0.3128, 0.3110

Trichromacy



Original Color

70.8056, 0.2999, 0.2830

Protanomaly

70.5288, 0.2904, 0.2860

Deuteranomaly

71.0752, 0.2957, 0.2865

Tritanomaly

70.8687, 0.3076, 0.3007

Monochromacy



Original Color

70.8056, 0.2999, 0.2830

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

72.2521, 0.3078, 0.3120

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8056, 0.2999, 0.2830 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(234, 210, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 210, 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(234, 210, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 210, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.8056, 0.2999, 0.2830 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(234, 210, 255) }
```

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

```
.border{ border-color:rgb(234, 210, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 210, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 210, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 210, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 210,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8056, 0.2999, 0.2830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 210, 255) }
```

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

```
.background{ background-color: rgb(234,  
210, 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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