

Converting Colors

$Y_{xy}(72.0360, 0.2996, 0.2857)$

Have a look what the booklet for
Yxy(72.0360, 0.2996, 0.2857)
contains.

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Color

Yxy(72.3009, 0.2999, 0.2862)

Conversions

Conversions Part 1

Format	Color
Hex	EAD5FF
RGB	234, 213, 255
RGB Percent	92%, 84%, 100%
CMY	0.0825, 0.1646, 0.0000
CMYK	0.08, 0.16, 0.00, 0.00
HSL	270°, 100%, 92%
HSV	270°, 16%, 100%
XYZ	75.7618, 72.3009, 104.5609
YIQ	224.0670, -0.9660, 17.5140

Conversions

Conversions Part 2

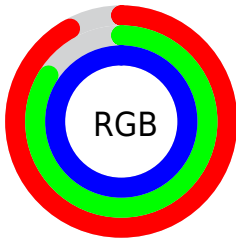
Format	Color
R _Y B	234, 213, 255
Decimal	15390207
CIE Lab	88.11, 14.83, -17.81
CIE LCh	88, 23.180, 309.786
Yxy	72.3009, 0.2999, 0.2862
Android (android.graphics.Color)	4293580287 (0xFFEAD5FF)
YUV	224.0670, 15.2500, 8.7112
Hunter-Lab	85.0299, 10.2415, -13.3877

Details

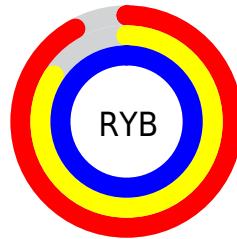
The Yxy color $72.3009, 0.2999, 0.2862$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $93.8226, 0.3239, 0.3718$, and the grayscale version is $74.4789, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $37.9959, 0.2968, 0.2766$ is the 20% darker color. If you saturate the color by 10%, you get $58.3814, 0.2904, 0.2577$, and if you desaturate by 10%, it is $88.3994, 0.3081, 0.3129$.

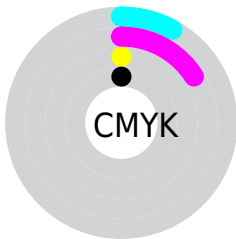
Distribution



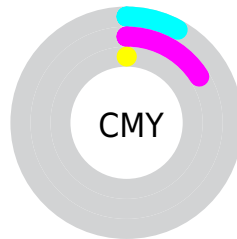
- Red (92%)
- Green (84%)
- Blue (100%)



- Red (92%)
- Yellow (84%)
- Blue (100%)



- Cyan (8%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)




- Cyan (8%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.3009, 0.2999, 0.2862 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 72.3009, 0.2999, 0.2862 by changing the saturation by 10% instead.


 72.3009, 0.2999,
0.2862

 72.3009, 0.2999,
0.2862


468.5882, 0.3060,
0.3054

 53.4045, 0.2985,
0.2819

122.4842, 0.3021,
0.2928

 38.1258, 0.2967,
0.2768


154.5400, 0.3029,
0.2953

 26.0803, 0.2944,
0.2703


191.7509, 0.3036,
0.2976

 16.8837, 0.2913,
0.2620

234.5016, 0.3042,
0.2995

 10.1516, 0.2871,
0.2511

283.1762, 0.3047,
0.3013

 5.4996, 0.2810,
0.2360

338.1593, 0.3052,

 2.5433, 0.2712,

0.3028

0.2139

399.8352, 0.3056,
0.3042

0.8982, 0.2536,
0.1788

0.0000, 0.1383,
0.0000

72.3009, 0.2999,
0.2862

72.3009, 0.2999,
0.2862

58.3814, 0.2904,
0.2577

88.3994, 0.3081,
0.3129

46.5345, 0.2796,
0.2279

99.9994, 0.3127,
0.3290

36.6583, 0.2676,
0.1978

28.6387, 0.2547,
0.1688

■ 22.3492, 0.2413,
0.1422

■ 17.6469, 0.2279,
0.1196

■ 14.3648, 0.2153,
0.1023

■ 12.2949, 0.2039,
0.0908

■ 11.7428, 0.2001,
0.0876

Harmonies

Analogous

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



72.3009, 0.2760, 0.2829



72.3009, 0.2999, 0.2862



72.3009, 0.3283, 0.2997

Triad

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



72.3009, 0.2999, 0.2862



72.3009, 0.3656, 0.3648



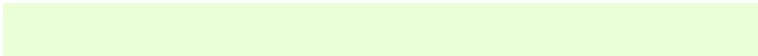
72.3009, 0.2732, 0.3362

Complementary

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



72.3009, 0.2999, 0.2862



93.8226, 0.3239, 0.3718

Split Complementary

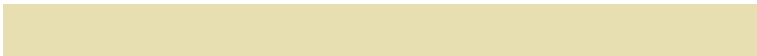
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.3009, 0.2958, 0.3612



72.3009, 0.2999, 0.2862



72.3009, 0.3494, 0.3774

Square

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



72.3009, 0.2999, 0.2862



72.3009, 0.3672, 0.3438



72.3009, 0.3236, 0.3766



72.3009, 0.2611, 0.3102

Rectangle

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



72.3009, 0.2999, 0.2862



72.3009, 0.3459, 0.3129



72.3009, 0.3236, 0.3766



72.3009, 0.2797, 0.3451

Sweetspot

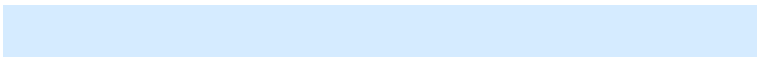
The Sweet Spot groups the original color and five complimentary colors.



72.3040, 0.2999, 0.2862



90.9409, 0.3092, 0.3166



80.6180, 0.2868, 0.3078



19.2024, 0.3087, 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.



72.3040, 0.2999, 0.2862



67.1346, 0.2967, 0.2763



75.9458, 0.3141, 0.2880



17.8226, 0.3057, 0.3050



6.2251, 0.2018, 0.0885



0.6710, 0.2141, 0.0953

Inverse Universe

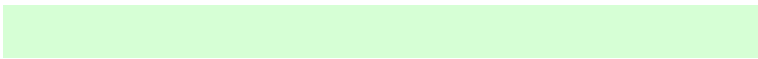
The Inverse Universe completely reimagines the original color for something new.



74.8030, 0.3290, 0.3081



70.1347, 0.3333, 0.3033



90.5738, 0.3111, 0.3735



18.1390, 0.3215, 0.3171



11.9512, 0.4959, 0.2505



1.1857, 0.4705, 0.2366

Previews

White Background



This preview shows how the Yxy color 72.3009, 0.2999, 0.2862 looks on a white background.

Color Contrast Check

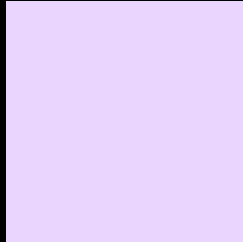
Large Text (above 18pt) WCAG AA × Fail

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 72.3009, 0.2999, 0.2862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

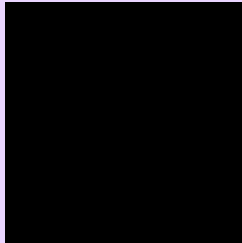
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.3009, 0.2999, 0.2862

Background



This preview shows how black text looks on a background with the Yxy color 72.3009, 0.2999, 0.2862.

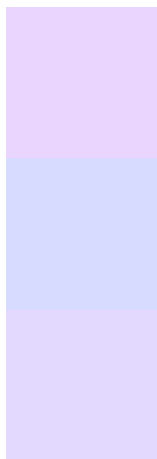


This preview shows how white text looks on a background with the Yxy color 72.3009, 0.2999, 0.2862.

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

72.3009, 0.2999, 0.2862

Protanopia

72.1792, 0.2866, 0.2909

Deuteranopia

72.5984, 0.2958, 0.2897



Tritanopia

72.5551, 0.3114, 0.3111

Trichromacy



Original Color

72.3009, 0.2999, 0.2862

Protanomaly

72.2179, 0.2912, 0.2893

Deuteranomaly

72.5796, 0.2978, 0.2889

Tritanomaly

72.6783, 0.3069, 0.3020

Monochromacy



Original Color

72.3009, 0.2999, 0.2862

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

73.6785, 0.3085, 0.3132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.3009, 0.2999, 0.2862 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, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 213, 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, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 213, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.3009, 0.2999, 0.2862 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, 213, 255) }
```

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

```
.border{ border-color:rgb(234, 213, 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, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 213,  
255) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.3009, 0.2999, 0.2862$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 213, 255) }
```

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

```
.background{ background-color: rgb(234,  
213, 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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