

Converting Colors

$Yxy(64.7803, 0.3103, 0.2948)$

Have a look what the booklet for
Yxy(64.7803, 0.3103, 0.2948)
contains.

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Color

Yxy(64.8396, 0.3106, 0.2949)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | E5CAEA |
| RGB | 229, 202, 234 |
| RGB Percent | 90%, 79%, 92% |
| CMY | 0.1018, 0.2079, 0.0824 |
| CMYK | 0.02, 0.14, 0.00, 0.08 |
| HSL | 291°, 43%, 85% |
| HSV | 291°, 14%, 92% |
| XYZ | 68.2916, 64.8396, 86.7386 |
| YIQ | 213.7210, 5.8200, 15.6760 |

Conversions

Conversions Part 2

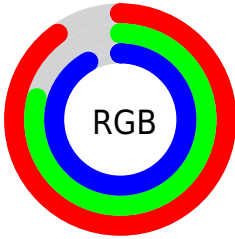
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 229, 202, 234 |
| Decimal | 15059690 |
| CIE Lab | 84.40, 15.07, -12.30 |
| CIE LCh | 84, 19.448, 320.780 |
| Yxy | 64.8396, 0.3106, 0.2949 |
| Android (android.graphics.Color) | 4293249770 (0xFFE5CAEA) |
| YUV | 213.7210, 9.9975, 13.3997 |
| Hunter-Lab | 80.5230, 10.4705, -7.5005 |

Details

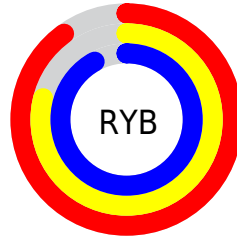
The Yxy color $64.8396, 0.3106, 0.2949$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $76.3509, 0.3144, 0.3648$, and the grayscale version is $66.9803, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $33.2784, 0.3097, 0.2874$ is the 20% darker color. If you saturate the color by 10%, you get $54.0950, 0.3086, 0.2689$, and if you desaturate by 10%, it is $77.2667, 0.3122, 0.3201$.

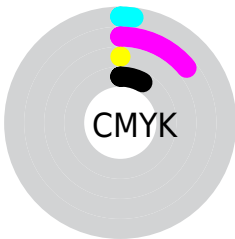
Distribution



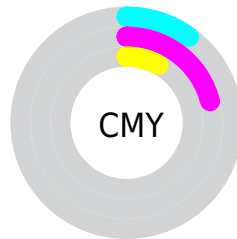
- Red (90%)
- Green (79%)
- Blue (92%)



- Red (90%)
- Yellow (79%)
- Blue (92%)



- Cyan (2%)
- Magenta (14%)
- Yellow (0%)
- Black (8%)





- Cyan (10%)
- Magenta (21%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.8396, 0.3106, 0.2949 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 64.8396, 0.3106, 0.2949 by changing the saturation by 10% instead.

 64.8396, 0.3106,
0.2949

 64.8396, 0.3106,
0.2949

442.2153, 0.3118,
0.3106

 47.3310, 0.3103,
0.2913


111.8192, 0.3110,
0.3003

 33.2974, 0.3099,
0.2869


142.0591, 0.3112,
0.3024

 22.3544, 0.3093,
0.2814


177.3114, 0.3113,
0.3043

 14.1175, 0.3085,
0.2742

217.9608, 0.3115,
0.3059

 8.2025, 0.3073,
0.2644

264.3914, 0.3116,
0.3073

 4.2248, 0.3054,
0.2505

316.9878, 0.3116,

 1.8001, 0.3017,

0.3085

0.2290

376.1343, 0.3117,
0.3096

0.4872, 0.2995,
0.1756

0.0000, 0.0000,
0.0000

64.8396, 0.3106,
0.2949

64.8396, 0.3106,
0.2949

54.0950, 0.3086,
0.2689

77.2667, 0.3122,
0.3201

44.9498, 0.3061,
0.2428

91.4379, 0.3135,
0.3439

37.3262, 0.3032,
0.2174

95.9617, 0.3154,
0.3499

31.1368, 0.2999,
0.1939

96.5993, 0.3177,
0.3498

■ 26.2852, 0.2962,
0.1732

■ 97.2496, 0.3200,
0.3496

■ 22.6629, 0.2923,
0.1563

■ 97.9125, 0.3223,
0.3495

■ 20.1445, 0.2882,
0.1438

■ 98.5882, 0.3246,
0.3493

■ 18.5777, 0.2842,
0.1358

■ 98.7191, 0.3250,
0.3493

■ 17.9287, 0.2816,
0.1325

Harmonies

Analogous

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



64.8396, 0.2876, 0.2885



64.8396, 0.3106, 0.2949



64.8396, 0.3350, 0.3095

Triad

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



64.8396, 0.3106, 0.2949



64.8396, 0.3549, 0.3654



64.8396, 0.2731, 0.3268

Complementary

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



64.8396, 0.3106, 0.2949



76.3509, 0.3144, 0.3648

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.



64.8396, 0.2900, 0.3496



64.8396, 0.3106, 0.2949



64.8396, 0.3372, 0.3723

Square

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



64.8396, 0.3106, 0.2949



64.8396, 0.3612, 0.3494



64.8396, 0.3133, 0.3666



64.8396, 0.2666, 0.3058

Rectangle

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



64.8396, 0.3106, 0.2949



64.8396, 0.3486, 0.3222



64.8396, 0.3133, 0.3666



64.8396, 0.2777, 0.3346

Sweetspot

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



64.8424, 0.3106, 0.2949



93.3666, 0.3122, 0.3192



63.2779, 0.2910, 0.2990



19.7255, 0.3121, 0.3173



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.



64.8424, 0.3106, 0.2949



75.5002, 0.3102, 0.2887



65.0714, 0.3220, 0.3063



15.1893, 0.3113, 0.3056



10.1222, 0.2823, 0.1329



0.8266, 0.2879, 0.1360

Inverse Universe

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



64.2281, 0.3341, 0.3237



74.6480, 0.3386, 0.3227



76.1742, 0.3045, 0.3529



15.0919, 0.3269, 0.3254



9.9133, 0.6182, 0.3179



0.7900, 0.5841, 0.2991

Previews

White Background



This preview shows how the Yxy color 64.8396, 0.3106, 0.2949 looks on a white background.

Color Contrast Check

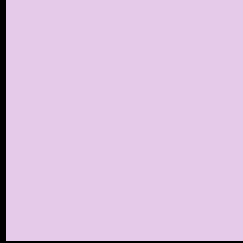
Large Text (above 18pt) WCAG AA × Fail

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 64.8396, 0.3106, 0.2949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

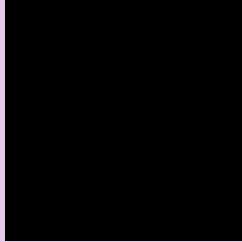
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.8396, 0.3106, 0.2949

Background



This preview shows how black text looks on a background with the Yxy color 64.8396, 0.3106, 0.2949.



This preview shows how white text looks on a background with the Yxy color 64.8396, 0.3106, 0.2949.

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

64.8396, 0.3106, 0.2949

Protanopia

64.9547, 0.2907, 0.2958

Deuteranopia

64.9180, 0.3052, 0.2986



Tritanopia

64.6839, 0.3189, 0.3116

Trichromacy



Original Color

64.8396, 0.3106, 0.2949

Protanomaly

64.5532, 0.2975, 0.2950

Deuteranomaly

64.9162, 0.3075, 0.2977

Tritanomaly

64.6421, 0.3161, 0.3053

Monochromacy



Original Color

64.8396, 0.3106, 0.2949

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

66.3737, 0.3118, 0.3169

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.8396, 0.3106, 0.2949 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(229, 202, 234)` looks like.

```
.text, #text, p{  
    color:rgb(229, 202, 234)  
}
```

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(229, 202, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 202, 234) }
```

Border

The CSS property to change the border of an element to Yxy 64.8396, 0.3106, 0.2949 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(229, 202, 234) }
```

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

```
.border{ border-color:rgb(229, 202, 234) }
```

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

Here you see how a box with a 4 pixel rgb(229, 202, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 202, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 202, 234);  
box-shadow:4px 4px 4px 4px rgb(229, 202,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 64.8396, 0.3106, 0.2949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 202, 234) }
```

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

```
.background{ background-color: rgb(229,  
202, 234) }
```

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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