

Converting Colors

$Y_{xy}(64.3635, 0.3079, 0.2877)$

Have a look what the booklet for
Yxy(64.3635, 0.3079, 0.2877)
contains.

Yxy(64.3635, 0.3079, 0.2877)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(64.3635, 0.3079, 0.2877)

Conversions

Conversions Part 1

Format	Color
Hex	E6C8EF
RGB	230, 200, 239
RGB Percent	90%, 78%, 94%
CMY	0.0978, 0.2158, 0.0627
CMYK	0.04, 0.16, 0.00, 0.06
HSL	286°, 55%, 86%
HSV	286°, 16%, 94%
XYZ	68.8826, 64.3635, 90.4713
YIQ	213.4160, 5.3610, 18.4890

Conversions

Conversions Part 2

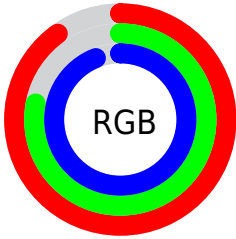
Format	Color
R _Y B	230, 200, 239
Decimal	15124719
CIE Lab	84.15, 17.42, -15.34
CIE LCh	84, 23.211, 318.621
Yxy	64.3635, 0.3079, 0.2877
Android (android.graphics.Color)	4293314799 (0xFFE6C8EF)
YUV	213.4160, 12.6129, 14.5442
Hunter-Lab	80.2269, 12.8627, -10.7021

Details

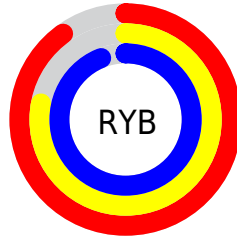
The Yxy color $64.3635, 0.3079, 0.2877$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $79.4643, 0.3166, 0.3723$, and the grayscale version is $66.7494, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $32.9753, 0.3062, 0.2783$ is the 20% darker color. If you saturate the color by 10%, you get $53.2533, 0.3041, 0.2611$, and if you desaturate by 10%, it is $77.2385, 0.3110, 0.3134$.

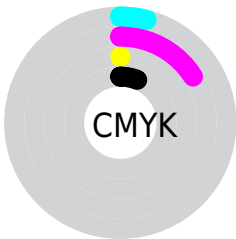
Distribution



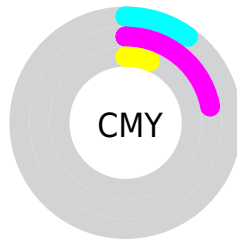
- Red (90%)
- Green (78%)
- Blue (94%)



- Red (90%)
- Yellow (78%)
- Blue (94%)



- Cyan (4%)
- Magenta (16%)
- Yellow (0%)
- Black (6%)





- Cyan (10%)
- Magenta (22%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.3635, 0.3079, 0.2877 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 64.3635, 0.3079, 0.2877 by changing the saturation by 10% instead.

 64.3635, 0.3079,
0.2877

 64.3635, 0.3079,
0.2877


440.5011, 0.3104,
0.3066

 46.9451, 0.3073,
0.2834


111.1343, 0.3088,
0.2942

 32.9923, 0.3064,
0.2782


141.2555, 0.3092,
0.2968

 22.1205, 0.3053,
0.2716


176.3798, 0.3095,
0.2990

 13.9455, 0.3038,
0.2630

216.8915, 0.3097,
0.3009

 8.0828, 0.3016,
0.2515

263.1751, 0.3099,
0.3026

 4.1480, 0.2980,
0.2352


315.6150, 0.3101,

 1.7567, 0.2917,


0.3041


0.2105


374.5955, 0.3103,
0.3054


 0.4599, 0.2843,
0.1516


 0.0000, 0.0000,
0.0000

 64.3635, 0.3079,
0.2877

 64.3635, 0.3079,
0.2877

 53.2533, 0.3041,
0.2611


 77.2385, 0.3110,
0.3134


 43.8192, 0.2997,
0.2342

 91.9452, 0.3136,
0.3377

 35.9772, 0.2947,
0.2081

 97.4418, 0.3167,
0.3446

 29.6325, 0.2892,
0.1838

 98.4524, 0.3201,
0.3445

■ 24.6803, 0.2832,
0.1625

■ 99.0134, 0.3220,
0.3444

■ 21.0022, 0.2770,
0.1451

■ 18.4593, 0.2707,
0.1324

■ 16.8786, 0.2646,
0.1242

■ 16.4376, 0.2624,
0.1219

Harmonies

Analogous

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



64.3635, 0.2809, 0.2809



64.3635, 0.3079, 0.2877



64.3635, 0.3374, 0.3043

Triad

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



64.3635, 0.3079, 0.2877



64.3635, 0.3642, 0.3712



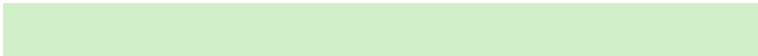
64.3635, 0.2666, 0.3281

Complementary

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



64.3635, 0.3079, 0.2877



79.4643, 0.3166, 0.3723

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.



64.3635, 0.2873, 0.3556



64.3635, 0.3079, 0.2877



64.3635, 0.3436, 0.3808

Square

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



64.3635, 0.3079, 0.2877



64.3635, 0.3707, 0.3513



64.3635, 0.3154, 0.3754



64.3635, 0.2580, 0.3025

Rectangle

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



64.3635, 0.3079, 0.2877



64.3635, 0.3542, 0.3190



64.3635, 0.3154, 0.3754



64.3635, 0.2723, 0.3375

Sweetspot

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



64.3663, 0.3079, 0.2877



91.5819, 0.3114, 0.3167



64.1569, 0.2865, 0.2954



19.3583, 0.3112, 0.3149



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.



64.3663, 0.3079, 0.2877



69.5110, 0.3066, 0.2778



65.2912, 0.3221, 0.2990



15.8377, 0.3101, 0.3055



9.1437, 0.2634, 0.1225



0.8047, 0.2713, 0.1268

Inverse Universe

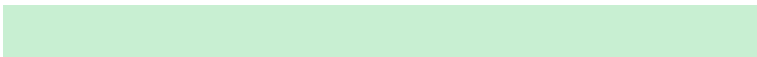
The Inverse Universe completely reimagines the original color for something new.



64.2567, 0.3369, 0.3195



69.3889, 0.3437, 0.3172



78.6965, 0.3045, 0.3610



15.8183, 0.3257, 0.3236



10.3095, 0.5991, 0.3074



0.8724, 0.5627, 0.2873

Previews

White Background



This preview shows how the Yxy color 64.3635, 0.3079, 0.2877 looks on a white background.

Color Contrast Check

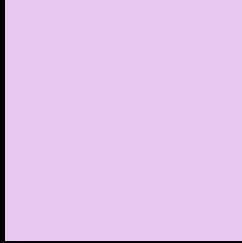
Large Text (above 18pt) WCAG AA × Fail

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 64.3635, 0.3079, 0.2877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

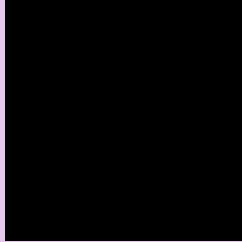
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.3635, 0.3079, 0.2877

Background



This preview shows how black text looks on a background with the Yxy color 64.3635, 0.3079, 0.2877.



This preview shows how white text looks on a background with the Yxy color 64.3635, 0.3079, 0.2877.

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

64.3635, 0.3079, 0.2877

Protanopia

64.3399, 0.2854, 0.2892

Deuteranopia

64.5874, 0.2990, 0.2931



Tritanopia

64.1572, 0.3197, 0.3116

Trichromacy



Original Color

64.3635, 0.3079, 0.2877

Protanomaly

64.2196, 0.2935, 0.2887

Deuteranomaly

64.4145, 0.3026, 0.2913

Tritanomaly

64.2260, 0.3155, 0.3031

Monochromacy



Original Color

64.3635, 0.3079, 0.2877

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

65.4457, 0.3112, 0.3136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3635, 0.3079, 0.2877 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(230, 200, 239)` looks like.

```
.text, #text, p{  
    color:rgb(230, 200, 239)  
}
```

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(230, 200, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 200, 239) }
```

Border

The CSS property to change the border of an element to Yxy 64.3635, 0.3079, 0.2877 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(230, 200, 239) }
```

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

```
.border{ border-color:rgb(230, 200, 239) }
```

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

Here you see how a box with a 4 pixel rgb(230, 200, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 200, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 200, 239);  
box-shadow:4px 4px 4px 4px rgb(230, 200,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3635, 0.3079, 0.2877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 200, 239) }
```

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

```
.background{ background-color: rgb(230,  
200, 239) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor