

Converting Colors

Yxy(64.5445, 0.3099, 0.2873)

Have a look what the booklet for
Yxy(64.5445, 0.3099, 0.2873)
contains.

Yxy(64.4025, 0.3101, 0.2870)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.4025, 0.3101, 0.2870)

Conversions

Conversions Part 1

Format	Color
Hex	E9C7EF
RGB	233, 199, 239
RGB Percent	91%, 78%, 94%
CMY	0.0866, 0.2195, 0.0628
CMYK	0.03, 0.17, 0.00, 0.06
HSL	291°, 55%, 86%
HSV	291°, 17%, 94%
XYZ	69.5861, 64.4025, 90.4103
YIQ	213.7260, 7.4240, 19.6480

Conversions

Conversions Part 2

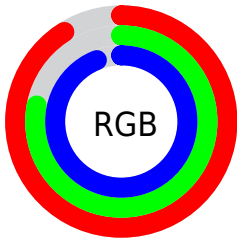
Format	Color
R _Y B	233, 199, 239
Decimal	15321071
CIE _{Lab}	84.17, 18.85, -15.27
CIE _{LCh}	84, 24.259, 321.001
Y _{xy}	64.4025, 0.3101, 0.2870
Android (android.graphics.Color)	4293511151 (0xFFE9C7EF)
YUV	213.7260, 12.4601, 16.9033
Hunter-Lab	80.2512, 14.3385, -10.6198

Details

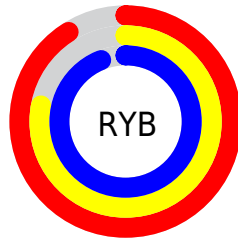
The Yxy color **64.4025, 0.3101, 0.2870** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **78.8412, 0.3146, 0.3737**, and the grayscale version is **66.9590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.0168, 0.3091, 0.2773** is the 20% darker color. If you saturate the color by 10%, you get **53.6516, 0.3080, 0.2609**, and if you desaturate by 10%, it is **76.8985, 0.3118, 0.3125**.

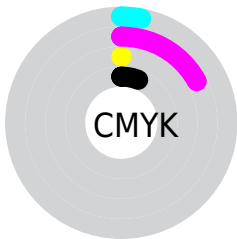
Distribution



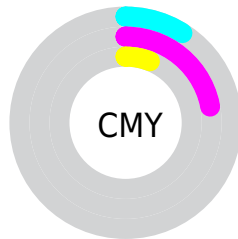
- Red (91%)
- Green (78%)
- Blue (94%)



- Red (91%)
- Yellow (78%)
- Blue (94%)



- Cyan (3%)
- Magenta (17%)
- Yellow (0%)
- Black (6%)





- Cyan (9%)
- Magenta (22%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.4025, 0.3101, 0.2870 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 64.4025, 0.3101, 0.2870 by changing the saturation by 10% instead.


 64.4025, 0.3101,
0.2870

 64.4025, 0.3101,
0.2870


440.6417, 0.3116,
0.3062

 46.9768, 0.3097,
0.2827


111.1904, 0.3107,
0.2936

 33.0173, 0.3092,
0.2773


141.3213, 0.3109,
0.2962

 22.1397, 0.3084,
0.2707


176.4561, 0.3111,
0.2984

 13.9596, 0.3074,
0.2620

216.9792, 0.3112,
0.3004

 8.0926, 0.3058,
0.2504

263.2749, 0.3113,
0.3021

 4.1542, 0.3031,
0.2339

315.7276, 0.3114,

 1.7602, 0.2983,

0.3036

0.2091

374.7217, 0.3115,
0.3050

0.4622, 0.2935,
0.1506

0.0000, 0.0000,
0.0000

64.4025, 0.3101,
0.2870

64.4025, 0.3101,
0.2870

53.6516, 0.3080,
0.2609

76.8985, 0.3118,
0.3125

44.5570, 0.3055,
0.2349

91.2064, 0.3131,
0.3368

37.0347, 0.3025,
0.2100

96.9483, 0.3150,
0.3447

30.9898, 0.2991,
0.1872

97.6027, 0.3173,
0.3446

■ 26.3174, 0.2954,
0.1677

■ 98.2699, 0.3195,
0.3445

■ 22.8985, 0.2915,
0.1521

■ 98.9500, 0.3218,
0.3444

■ 20.5937, 0.2875,
0.1411

■ 99.0110, 0.3220,
0.3444

■ 19.2264, 0.2835,
0.1345

■ 18.8884, 0.2822,
0.1328

Harmonies

Analogous

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



64.4025, 0.2815, 0.2790



64.4025, 0.3101, 0.2870



64.4025, 0.3408, 0.3049

Triad

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



64.4025, 0.3101, 0.2870



64.4025, 0.3653, 0.3743



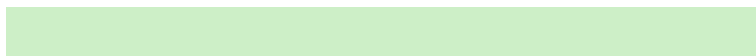
64.4025, 0.2634, 0.3257

Complementary

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



64.4025, 0.3101, 0.2870



78.8412, 0.3146, 0.3737

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.



64.4025, 0.2840, 0.3547



64.4025, 0.3101, 0.2870



64.4025, 0.3428, 0.3834

Square

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



64.4025, 0.3101, 0.2870



64.4025, 0.3735, 0.3540



64.4025, 0.3130, 0.3765



64.4025, 0.2555, 0.2995

Rectangle

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



64.4025, 0.3101, 0.2870



64.4025, 0.3579, 0.3205



64.4025, 0.3130, 0.3765



64.4025, 0.2690, 0.3355

Sweetspot

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



64.4053, 0.3101, 0.2870



91.7681, 0.3120, 0.3167



62.3738, 0.2857, 0.2915



19.4037, 0.3119, 0.3150



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.



64.4053, 0.3101, 0.2870



70.2275, 0.3094, 0.2783



64.6843, 0.3243, 0.3010



15.9029, 0.3114, 0.3056



10.4861, 0.2829, 0.1332



0.9049, 0.2882, 0.1361

Inverse Universe

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



63.6241, 0.3400, 0.3226



69.1860, 0.3467, 0.3212



78.6413, 0.3027, 0.3588



15.7979, 0.3269, 0.3254



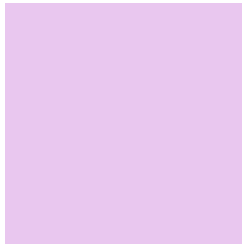
10.2242, 0.6189, 0.3183



0.8623, 0.5869, 0.3007

Previews

White Background



This preview shows how the Yxy color 64.4025, 0.3101, 0.2870 looks on a white background.

Color Contrast Check

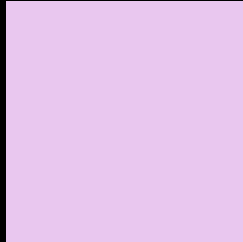
Large Text (above 18pt) WCAG AA × Fail

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 64.4025, 0.3101, 0.2870 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 64.4025, 0.3101, 0.2870

Background



This preview shows how black text looks on a background with the Yxy color 64.4025, 0.3101, 0.2870.



This preview shows how white text looks on a background with the Yxy color 64.4025, 0.3101, 0.2870.

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

64.4025, 0.3101, 0.2870

Protanopia

64.4008, 0.2848, 0.2881

Deuteranopia

64.7411, 0.2997, 0.2932



Tritanopia

64.5968, 0.3227, 0.3128

Trichromacy



Original Color

64.4025, 0.3101, 0.2870

Protanomaly

64.4298, 0.2936, 0.2877

Deuteranomaly

64.5729, 0.3033, 0.2914

Tritanomaly

64.7210, 0.3177, 0.3033

Monochromacy



Original Color

64.4025, 0.3101, 0.2870

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

66.3008, 0.3120, 0.3137

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.4025, 0.3101, 0.2870 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(233, 199, 239)` looks like.

```
.text, #text, p{  
    color:rgb(233, 199, 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(233, 199, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 199, 239) }
```

Border

The CSS property to change the border of an element to Yxy 64.4025, 0.3101, 0.2870 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(233, 199, 239) }
```

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

```
.border{ border-color:rgb(233, 199, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 199, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 199, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 199, 239);  
box-shadow:4px 4px 4px 4px rgb(233, 199,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 64.4025, 0.3101, 0.2870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 199, 239) }
```

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

```
.background{ background-color: rgb(233,  
199, 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](#).

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