

Converting Colors

$Y_{xy}(74.7047, 0.3112, 0.3100)$

Have a look what the booklet for
Yxy(74.7047, 0.3112, 0.3100)
contains.

Yxy(74.8519, 0.3108, 0.3103)	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(74.8519, 0.3108, 0.3103)

Conversions

Conversions Part 1

Format	Color
Hex	EADCEE
RGB	234, 220, 238
RGB Percent	92%, 86%, 93%
CMY	0.0821, 0.1373, 0.0666
CMYK	0.02, 0.08, 0.00, 0.07
HSL	287°, 35%, 90%
HSV	287°, 8%, 93%
XYZ	74.9725, 74.8519, 91.3999
YIQ	226.2380, 2.5660, 8.5660

Conversions

Conversions Part 2

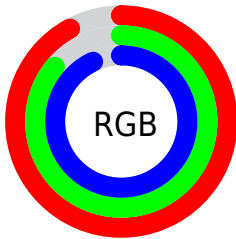
Format	Color
RYB	234, 220, 238
Decimal	15391982
CIELab	89.32, 8.00, -7.07
CIElCh	89, 10.679, 318.522
Yxy	74.8519, 0.3108, 0.3103
Android (android.graphics.Color)	4293582062 (0xFFEADCEE)
YUV	226.2380, 5.7987, 6.8073
Hunter-Lab	86.5170, 3.2769, -2.0743

Details

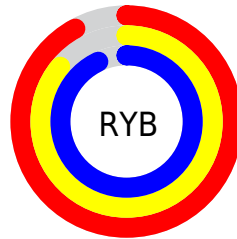
The Yxy color **74.8519, 0.3108, 0.3103** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **82.1673, 0.3145, 0.3481**, and the grayscale version is **76.1974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.7526, 0.3101, 0.3062** is the 20% darker color. If you saturate the color by 10%, you get **62.3656, 0.3078, 0.2845**, and if you desaturate by 10%, it is **89.1495, 0.3133, 0.3348**.

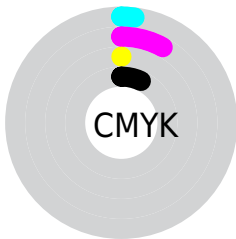
Distribution



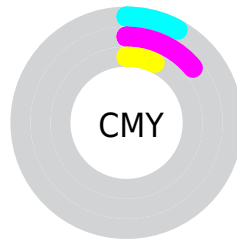
- Red (92%)
- Green (86%)
- Blue (93%)



- Red (92%)
- Yellow (86%)
- Blue (93%)



- Cyan (2%)
- Magenta (8%)
- Yellow (0%)
- Black (7%)





- Cyan (8%)
- Magenta (14%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.8519, 0.3108, 0.3103 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 74.8519, 0.3108, 0.3103 by changing the saturation by 10% instead.

 74.8519, 0.3108,
0.3103

 74.8519, 0.3108,
0.3103


477.4084, 0.3117,
0.3188

 55.4916, 0.3106,
0.3084


126.1027, 0.3111,
0.3132

 39.7954, 0.3103,
0.3061


158.7620, 0.3113,
0.3144

 27.3791, 0.3099,
0.3031


196.6230, 0.3114,
0.3154

 17.8581, 0.3094,
0.2993

240.0702, 0.3115,
0.3162

 10.8482, 0.3087,
0.2942

289.4879, 0.3115,
0.3170

 5.9648, 0.3077,
0.2870

345.2606, 0.3116,

 2.8237, 0.3060,

0.3177

0.2761

407.7726, 0.3117,
0.3183

■ 1.0404, 0.3026,
0.2575

■ 0.0000, 0.2311,
0.0000

■ 74.8519, 0.3108,
0.3103

■ 74.8519, 0.3108,
0.3103

■ 62.3656, 0.3078,
0.2845

■ 89.1495, 0.3133,
0.3348

■ 51.6060, 0.3042,
0.2579

■ 97.0212, 0.3160,
0.3457

■ 42.4959, 0.2999,
0.2312

■ 97.9737, 0.3193,
0.3455

■ 34.9486, 0.2951,
0.2054

■ 98.9531, 0.3226,
0.3454

■ 28.8694, 0.2897,
0.1816

■ 98.9542, 0.3226,
0.3454

■ 24.1530, 0.2840,
0.1609

■ 20.6801, 0.2781,
0.1443

■ 18.3104, 0.2721,
0.1323

■ 16.8566, 0.2663,
0.1248

Harmonies

Analogous

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



74.8519, 0.2988, 0.3074



74.8519, 0.3108, 0.3103



74.8519, 0.3236, 0.3179

Triad

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



74.8519, 0.3108, 0.3103



74.8519, 0.3353, 0.3478



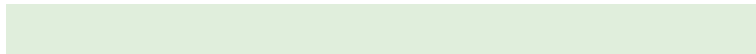
74.8519, 0.2923, 0.3290

Complementary

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



74.8519, 0.3108, 0.3103



82.1673, 0.3145, 0.3481

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.



74.8519, 0.3017, 0.3404



74.8519, 0.3108, 0.3103



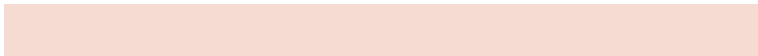
74.8519, 0.3265, 0.3514

Square

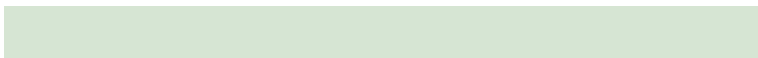
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.8519, 0.3108, 0.3103



74.8519, 0.3379, 0.3394



74.8519, 0.3142, 0.3487



74.8519, 0.2882, 0.3179

Rectangle

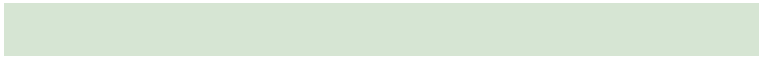
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.8519, 0.3108, 0.3103



74.8519, 0.3307, 0.3248



74.8519, 0.3142, 0.3487



74.8519, 0.2949, 0.3330

Sweetspot

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



74.8551, 0.3108, 0.3103



96.5770, 0.3122, 0.3241



74.8036, 0.3010, 0.3143



20.7073, 0.3123, 0.3244



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.



74.8551, 0.3108, 0.3103



85.2766, 0.3104, 0.3066



75.2553, 0.3168, 0.3153



15.8458, 0.3103, 0.3055



9.3032, 0.2658, 0.1238



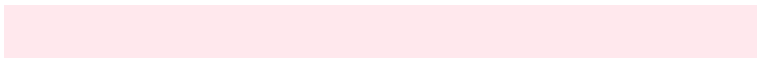
0.8167, 0.2734, 0.1280

Inverse Universe

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



74.7392, 0.3230, 0.3249



85.1215, 0.3252, 0.3241



81.7996, 0.3089, 0.3430



15.8158, 0.3259, 0.3238



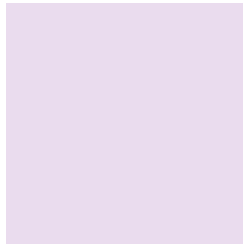
10.2968, 0.6019, 0.3089



0.8710, 0.5659, 0.2891

Previews

White Background



This preview shows how the Yxy color 74.8519, 0.3108, 0.3103 looks on a white background.

Color Contrast Check

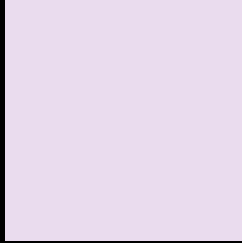
Large Text (above 18pt) WCAG AA × Fail

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 74.8519, 0.3108, 0.3103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

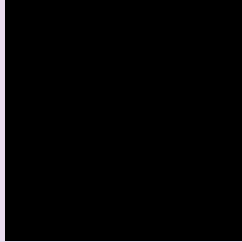
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

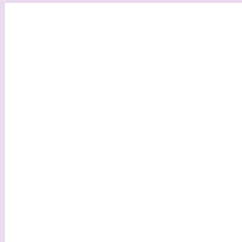
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.8519, 0.3108, 0.3103

Background



This preview shows how black text looks on a background with the Yxy color 74.8519, 0.3108, 0.3103.



This preview shows how white text looks on a background with the Yxy color 74.8519, 0.3108, 0.3103.

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

74.8519, 0.3108, 0.3103

Protanopia

74.9139, 0.3025, 0.3111

Deuteranopia

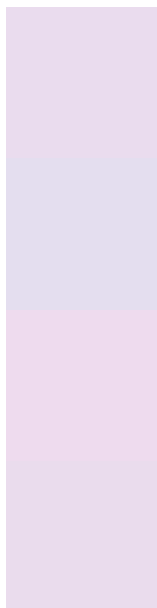
74.8411, 0.3151, 0.3085



Tritanopia

74.7932, 0.3114, 0.3114

Trichromacy



Original Color

74.8519, 0.3108, 0.3103

Protanomaly

74.9685, 0.3059, 0.3112

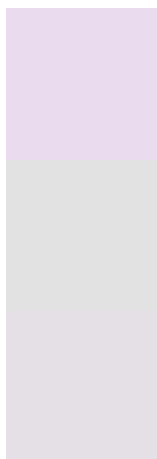
Deuteranomaly

75.0132, 0.3136, 0.3095

Tritanomaly

74.7932, 0.3114, 0.3114

Monochromacy



Original Color

74.8519, 0.3108, 0.3103

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

75.6825, 0.3123, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.8519, 0.3108, 0.3103 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, 220, 238)` looks like.

```
.text, #text, p{  
    color:rgb(234, 220, 238)  
}
```

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, 220, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 220, 238) }
```

Border

The CSS property to change the border of an element to Yxy 74.8519, 0.3108, 0.3103 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, 220, 238) }
```

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

```
.border{ border-color:rgb(234, 220, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 220, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 220, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 220, 238);  
box-shadow:4px 4px 4px 4px rgb(234, 220,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 74.8519, 0.3108, 0.3103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 220, 238) }
```

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

```
.background{ background-color: rgb(234,  
220, 238) }
```

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