

Converting Colors

$Y_{xy}(74.6197, 0.3098, 0.3174)$

Have a look what the booklet for
Yxy(74.6197, 0.3098, 0.3174)
contains.

Yxy(74.6197, 0.3098, 0.3174)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(74.6197, 0.3098, 0.3174)

Conversions

Conversions Part 1

Format	Color
Hex	E4DEE9
RGB	228, 222, 233
RGB Percent	89%, 87%, 91%
CMY	0.1057, 0.1294, 0.0863
CMYK	0.02, 0.05, 0.00, 0.09
HSL	273°, 20%, 89%
HSV	273°, 5%, 91%
XYZ	72.8330, 74.6197, 87.6441
YIQ	225.0480, 0.0450, 4.6930

Conversions

Conversions Part 2

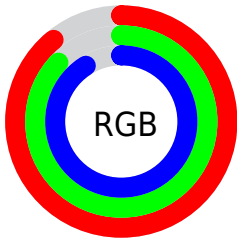
Format	Color
R _Y B	228, 222, 233
Decimal	14999273
CIE Lab	89.21, 4.03, -4.64
CIE LCh	89, 6.148, 310.997
Yxy	74.6197, 0.3098, 0.3174
Android (android.graphics.Color)	4293189353 (0xFFE4DEE9)
YUV	225.0480, 3.9203, 2.5889
Hunter-Lab	86.3827, -0.6687, 0.3121

Details

The Yxy color $74.6197, 0.3098, 0.3174$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $79.8640, 0.3155, 0.3406$, and the grayscale version is $75.3081, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $39.6960, 0.3097, 0.3153$ is the 20% darker color. If you saturate the color by 10%, you get $61.4289, 0.3028, 0.2913$, and if you desaturate by 10%, it is $89.6307, 0.3157, 0.3414$.

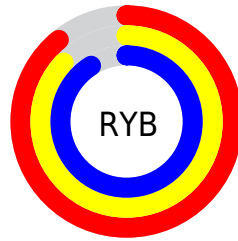
Distribution



Red (89%)

Green (87%)

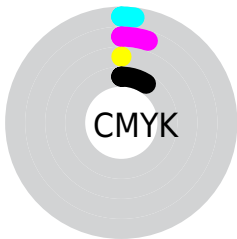
Blue (91%)



Red (89%)

Yellow (87%)

Blue (91%)

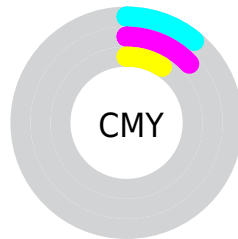


Cyan (2%)

Magenta (5%)

Yellow (0%)

Black (9%)



Cyan (11%)

Magenta (13%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.6197, 0.3098, 0.3174 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 74.6197, 0.3098, 0.3174 by changing the saturation by 10% instead.

■ 74.6197, 0.3098,
0.3174

■ 74.6197, 0.3098,
0.3174

476.6094, 0.3112,
0.3227

■ 55.3014, 0.3095,
0.3162

125.7739, 0.3103,
0.3192

■ 39.6431, 0.3091,
0.3147

158.3785, 0.3105,
0.3199

■ 27.2604, 0.3086,
0.3129

196.1808, 0.3106,
0.3206

■ 17.7689, 0.3079,
0.3104

239.5650, 0.3108,
0.3211

■ 10.7842, 0.3070,
0.3072

288.9156, 0.3109,
0.3216

■ 5.9219, 0.3057,
0.3025

344.6169, 0.3110,

■ 2.7976, 0.3037,

0.3220

0.2953

407.0534, 0.3111,
0.3224

1.0270, 0.2998,
0.2828

0.0000, 0.0644,
0.0000

74.6197, 0.3098,
0.3174

74.6197, 0.3098,
0.3174

61.4289, 0.3028,
0.2913

89.6307, 0.3157,
0.3414

49.9773, 0.2946,
0.2635

97.5398, 0.3217,
0.3505

40.1915, 0.2853,
0.2346

98.6624, 0.3256,
0.3503

31.9896, 0.2748,
0.2053

■ 25.2822, 0.2634,
0.1769

■ 19.9707, 0.2514,
0.1508

■ 15.9445, 0.2393,
0.1283

■ 13.0751, 0.2275,
0.1107

■ 11.2057, 0.2166,
0.0985

Harmonies

Analogous

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



74.6197, 0.3032, 0.3166



74.6197, 0.3098, 0.3174



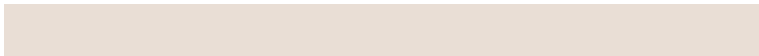
74.6197, 0.3172, 0.3213

Triad

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



74.6197, 0.3098, 0.3174



74.6197, 0.3264, 0.3389



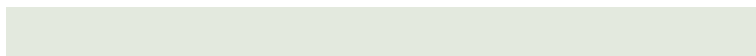
74.6197, 0.3020, 0.3308

Complementary

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



74.6197, 0.3098, 0.3174



79.8640, 0.3155, 0.3406

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.



74.6197, 0.3081, 0.3370



74.6197, 0.3098, 0.3174



74.6197, 0.3222, 0.3417

Square

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



74.6197, 0.3098, 0.3174



74.6197, 0.3269, 0.3336



74.6197, 0.3155, 0.3410



74.6197, 0.2988, 0.3242

Rectangle

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



74.6197, 0.3098, 0.3174



74.6197, 0.3217, 0.3250



74.6197, 0.3155, 0.3410



74.6197, 0.3038, 0.3330

Sweetspot

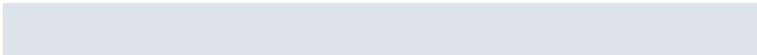
The Sweet Spot groups the original color and five complimentary colors.



74.6229, 0.3098, 0.3174



98.1671, 0.3121, 0.3266



76.3165, 0.3055, 0.3226



21.0311, 0.3121, 0.3267



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.



74.6229, 0.3098, 0.3174



89.3428, 0.3089, 0.3141



75.4114, 0.3136, 0.3181



15.7990, 0.3086, 0.3126



6.0297, 0.2127, 0.0945



0.5305, 0.2269, 0.1024

Inverse Universe

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



75.1027, 0.3172, 0.3238



90.0929, 0.3186, 0.3224



79.1019, 0.3118, 0.3401



15.9463, 0.3192, 0.3217



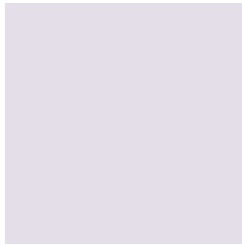
10.4294, 0.5170, 0.2622



0.8381, 0.4830, 0.2434

Previews

White Background



This preview shows how the Yxy color 74.6197, 0.3098, 0.3174 looks on a white background.

Color Contrast Check

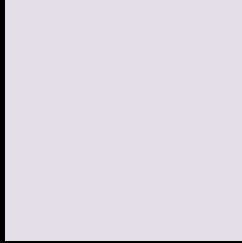
Large Text (above 18pt) WCAG AA × Fail

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 74.6197, 0.3098, 0.3174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

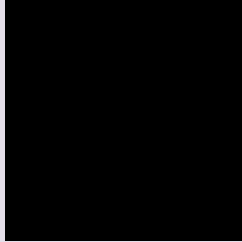
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

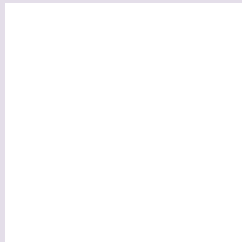
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.6197, 0.3098, 0.3174

Background



This preview shows how black text looks on a background with the Yxy color 74.6197, 0.3098, 0.3174.

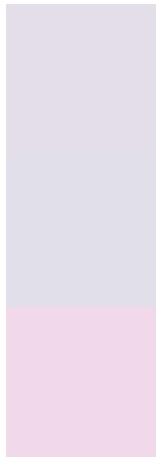


This preview shows how white text looks on a background with the Yxy color 74.6197, 0.3098, 0.3174.

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

74.6197, 0.3098, 0.3174

Protanopia

74.6661, 0.3076, 0.3184

Deuteranopia

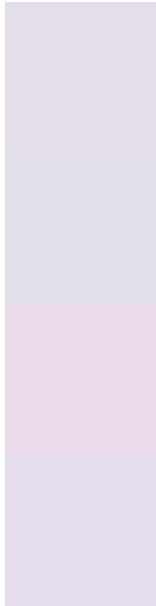
74.2670, 0.3186, 0.3115



Tritanopia

74.6029, 0.3066, 0.3102

Trichromacy



Original Color

74.6197, 0.3098, 0.3174

Protanomaly

74.8273, 0.3083, 0.3184

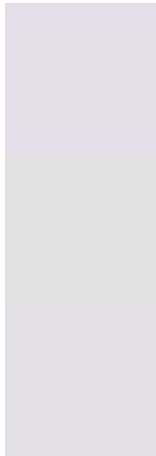
Deuteranomaly

74.4364, 0.3149, 0.3134

Tritanomaly

74.4853, 0.3079, 0.3122

Monochromacy



Original Color

74.6197, 0.3098, 0.3174

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

75.0815, 0.3115, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.6197, 0.3098, 0.3174 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(228, 222, 233)` looks like.

```
.text, #text, p{  
    color:rgb(228, 222, 233)  
}
```

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(228, 222, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 222, 233) }
```

Border

The CSS property to change the border of an element to Yxy 74.6197, 0.3098, 0.3174 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(228, 222, 233) }
```

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

```
.border{ border-color:rgb(228, 222, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 222, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 222, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 222, 233); box-shadow:4px 4px 4px 4px rgb(228, 222, 233) }
```


Background

The CSS property to change the background color of an element to Yxy 74.6197, 0.3098, 0.3174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 222, 233) }
```

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

```
.background{ background-color: rgb(228,  
222, 233) }
```

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