

Converting Colors

$Y_{xy}(74.8478, 0.3086, 0.3112)$

Have a look what the booklet for
Yxy(74.8478, 0.3086, 0.3112)
contains.

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Color

Yxy(74.8749, 0.3086, 0.3113)

Conversions

Conversions Part 1

Format	Color
Hex	E7DDEE
RGB	231, 221, 238
RGB Percent	91%, 87%, 93%
CMY	0.0944, 0.1332, 0.0667
CMYK	0.03, 0.07, 0.00, 0.07
HSL	275°, 33%, 90%
HSV	275°, 7%, 93%
XYZ	74.2255, 74.8749, 91.4229
YIQ	225.9280, 0.5030, 7.4070

Conversions

Conversions Part 2

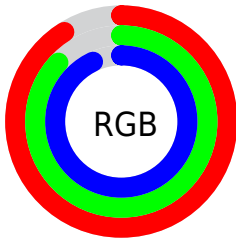
Format	Color
R _Y B	231, 221, 238
Decimal	15195630
CIE Lab	89.33, 6.41, -7.07
CIE LCh	89, 9.546, 312.217
Yxy	74.8749, 0.3086, 0.3113
Android (android.graphics.Color)	4293385710 (0xFFE7DDEE)
YUV	225.9280, 5.9515, 4.4481
Hunter-Lab	86.5303, 1.6889, -2.0712

Details

The Yxy color **74.8749, 0.3086, 0.3113** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **82.8768, 0.3166, 0.3468**, and the grayscale version is **75.9499, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.7638, 0.3074, 0.3074** is the 20% darker color. If you saturate the color by 10%, you get **61.5844, 0.3019, 0.2849**, and if you desaturate by 10%, it is **90.0467, 0.3142, 0.3358**.

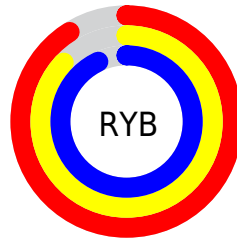
Distribution



Red (91%)

Green (87%)

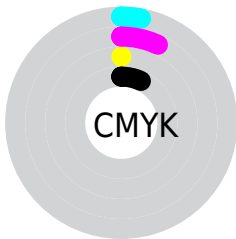
Blue (93%)



Red (91%)

Yellow (87%)

Blue (93%)

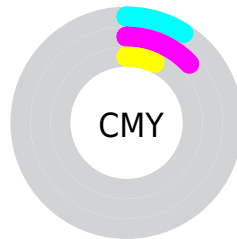


Cyan (3%)

Magenta (7%)

Yellow (0%)

Black (7%)



Cyan (9%)

Magenta (13%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.8749, 0.3086, 0.3113 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 74.8749, 0.3086, 0.3113 by changing the saturation by 10% instead.

74.8749, 0.3086,
0.3113

74.8749, 0.3086,
0.3113

477.4875, 0.3105,
0.3194

55.5104, 0.3082,
0.3095

126.1353, 0.3093,
0.3141

39.8105, 0.3076,
0.3073

158.7999, 0.3095,
0.3152

27.3908, 0.3069,
0.3045

196.6668, 0.3098,
0.3161

17.8670, 0.3059,
0.3009

240.1202, 0.3100,
0.3169

10.8545, 0.3046,
0.2960

289.5446, 0.3101,
0.3176

5.9691, 0.3027,
0.2891

345.3243, 0.3103,

2.8263, 0.2997,

0.3183

0.2786

407.8438, 0.3104,
0.3189

■ 1.0417, 0.2941,
0.2607

■ 0.0000, 0.1729,
0.0000

■ 74.8749, 0.3086,
0.3113

■ 74.8749, 0.3086,
0.3113

■ 61.5844, 0.3019,
0.2849

■ 90.0467, 0.3142,
0.3358

■ 50.0895, 0.2942,
0.2569

■ 98.1560, 0.3199,
0.3455

■ 40.3119, 0.2853,
0.2281

■ 98.9527, 0.3226,
0.3454

■ 32.1640, 0.2754,
0.1994

■ 25.5500, 0.2646,
0.1719

■ 20.3637, 0.2534,
0.1471

■ 16.4851, 0.2420,
0.1264

■ 13.7734, 0.2311,
0.1105

■ 12.0469, 0.2209,
0.1000

Harmonies

Analogous

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



74.8749, 0.2983, 0.3097



74.8749, 0.3086, 0.3113



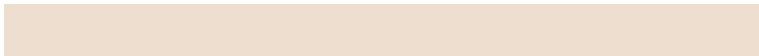
74.8749, 0.3201, 0.3174

Triad

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



74.8749, 0.3086, 0.3113



74.8749, 0.3338, 0.3446



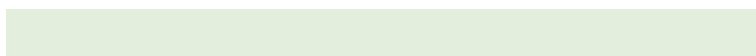
74.8749, 0.2959, 0.3313

Complementary

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



74.8749, 0.3086, 0.3113



82.8768, 0.3166, 0.3468

Split Complementary

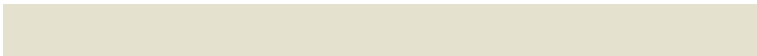
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.8749, 0.3051, 0.3411



74.8749, 0.3086, 0.3113



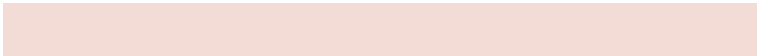
74.8749, 0.3271, 0.3488

Square

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



74.8749, 0.3086, 0.3113



74.8749, 0.3349, 0.3364



74.8749, 0.3165, 0.3475



74.8749, 0.2911, 0.3210

Rectangle

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



74.8749, 0.3086, 0.3113



74.8749, 0.3270, 0.3232



74.8749, 0.3165, 0.3475



74.8749, 0.2985, 0.3348

Sweetspot

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



74.8781, 0.3086, 0.3113



96.3884, 0.3116, 0.3241



77.0901, 0.3017, 0.3185



20.6689, 0.3117, 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.



74.8781, 0.3086, 0.3113



84.4534, 0.3074, 0.3064



75.9944, 0.3145, 0.3130



15.6843, 0.3071, 0.3052



6.5779, 0.2196, 0.0983



0.6055, 0.2325, 0.1055

Inverse Universe

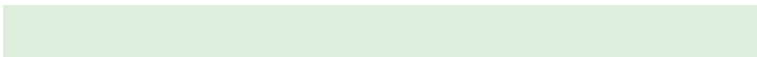
The Inverse Universe completely reimagines the original color for something new.



75.5112, 0.3201, 0.3217



85.3887, 0.3223, 0.3197



81.8197, 0.3110, 0.3455



15.8681, 0.3228, 0.3192



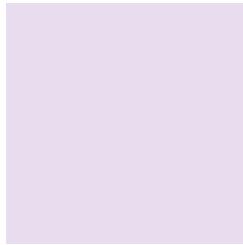
10.6694, 0.5309, 0.2699



0.9070, 0.4969, 0.2511

Previews

White Background



This preview shows how the Yxy color 74.8749, 0.3086, 0.3113 looks on a white background.

Color Contrast Check

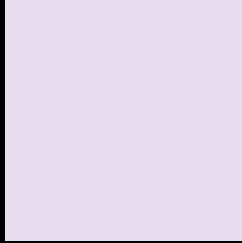
Large Text (above 18pt) WCAG AA × Fail

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 74.8749, 0.3086, 0.3113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

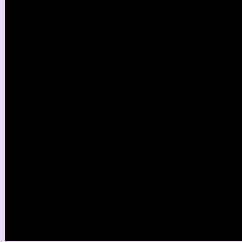
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

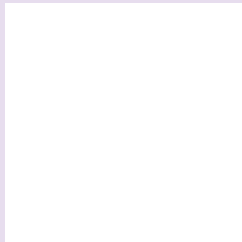
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.8749, 0.3086, 0.3113

Background



This preview shows how black text looks on a background with the Yxy color 74.8749, 0.3086, 0.3113.

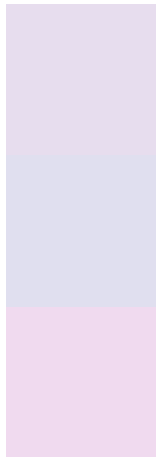


This preview shows how white text looks on a background with the Yxy color 74.8749, 0.3086, 0.3113.

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

74.8749, 0.3086, 0.3113

Protanopia

74.8546, 0.3032, 0.3121

Deuteranopia

74.9001, 0.3144, 0.3075



Tritanopia

74.8749, 0.3086, 0.3113

Trichromacy



Original Color

74.8749, 0.3086, 0.3113

Protanomaly

74.8054, 0.3052, 0.3111

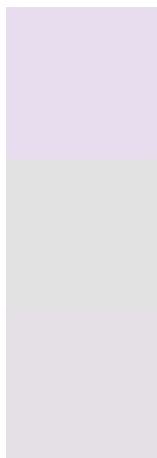
Deuteranomaly

74.8996, 0.3123, 0.3084

Tritanomaly

74.8749, 0.3086, 0.3113

Monochromacy



Original Color

74.8749, 0.3086, 0.3113

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

75.5185, 0.3116, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.8749, 0.3086, 0.3113 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(231, 221, 238)` looks like.

```
.text, #text, p{  
    color:rgb(231, 221, 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(231, 221, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 221, 238) }
```

Border

The CSS property to change the border of an element to Yxy 74.8749, 0.3086, 0.3113 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(231, 221, 238) }
```

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

```
.border{ border-color:rgb(231, 221, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 221, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 221, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 221, 238);  
box-shadow:4px 4px 4px 4px rgb(231, 221,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 74.8749, 0.3086, 0.3113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 221, 238) }
```

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

```
.background{ background-color: rgb(231,  
221, 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](#).

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