

Converting Colors

Yxy(78.4833, 0.3107, 0.3232)

Have a look what the booklet for
Yxy(78.4833, 0.3107, 0.3232)
contains.

Yxy(78.4162, 0.3110, 0.3228)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.4162, 0.3110, 0.3228)

Conversions

Conversions Part 1

Format	Color
Hex	E7E4EA
RGB	231, 228, 234
RGB Percent	91%, 89%, 92%
CMY	0.0940, 0.1059, 0.0825
CMYK	0.01, 0.03, 0.00, 0.08
HSL	270°, 12%, 91%
HSV	270°, 3%, 92%
XYZ	75.5497, 78.4162, 88.9591
YIQ	229.5810, -0.1380, 2.5020

Conversions

Conversions Part 2

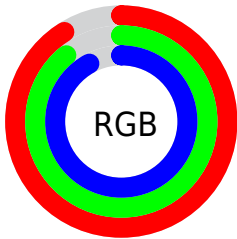
Format	Color
R _Y B	231, 228, 234
Decimal	15197418
CIE Lab	90.97, 2.09, -2.54
CIE LCh	91, 3.289, 309.424
Yxy	78.4162, 0.3110, 0.3228
Android (android.graphics.Color)	4293387498 (0xFFE7E4EA)
YUV	229.5810, 2.1786, 1.2445
Hunter-Lab	88.5529, -2.6788, 2.4251

Details

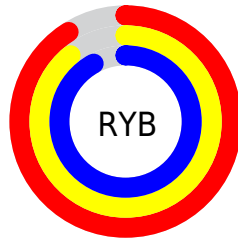
The Yxy color **78.4162, 0.3110, 0.3228** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **81.3979, 0.3144, 0.3352**, and the grayscale version is **78.7912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.2155, 0.3104, 0.3223** is the 20% darker color. If you saturate the color by 10%, you get **64.5528, 0.3035, 0.2971**, and if you desaturate by 10%, it is **94.1541, 0.3173, 0.3463**.

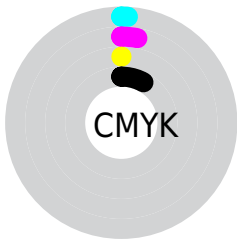
Distribution



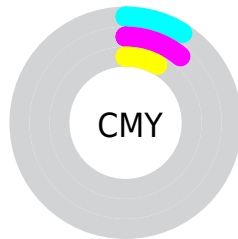
- Red (91%)
- Green (89%)
- Blue (92%)



- Red (91%)
- Yellow (89%)
- Blue (92%)



- Cyan (1%)
- Magenta (3%)
- Yellow (0%)
- Black (8%)



- Cyan (9%)
- Magenta (11%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.4162, 0.3110, 0.3228 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 78.4162, 0.3110, 0.3228 by changing the saturation by 10% instead.

■ 78.4162, 0.3110,
0.3228

■ 78.4162, 0.3110,
0.3228

489.5791, 0.3118,
0.3256

■ 58.4159, 0.3108,
0.3222

131.1367, 0.3113,
0.3238

■ 42.1431, 0.3106,
0.3214

164.6257, 0.3114,
0.3242

■ 29.2134, 0.3103,
0.3204

203.3797, 0.3115,
0.3245

■ 19.2423, 0.3100,
0.3191

247.7831, 0.3116,
0.3248

■ 11.8455, 0.3095,
0.3174

298.2204, 0.3116,
0.3250

■ 6.6386, 0.3087,
0.3150

355.0759, 0.3117,

■ 3.2371, 0.3076,

0.3253

0.3113

418.7340, 0.3117,
0.3255

■ 1.2567, 0.3057,
0.3049

■ 0.1073, 0.2758,
0.1935

■ 78.4162, 0.3110,
0.3228

■ 78.4162, 0.3110,
0.3228

■ 64.5528, 0.3035,
0.2971

■ 94.1541, 0.3173,
0.3463

■ 52.4819, 0.2948,
0.2694

■ 98.5383, 0.3244,
0.3494

■ 42.1304, 0.2847,
0.2402

■ 98.7178, 0.3250,
0.3493

■ 33.4159, 0.2735,
0.2104

■ 26.2494, 0.2612,
0.1810

■ 20.5328, 0.2482,
0.1535

■ 16.1566, 0.2350,
0.1294

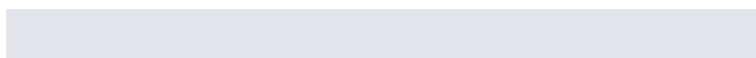
■ 12.9949, 0.2222,
0.1099

■ 10.8961, 0.2104,
0.0961

Harmonies

Analogous

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



78.4162, 0.3076, 0.3225



78.4162, 0.3110, 0.3228



78.4162, 0.3149, 0.3248

Triad

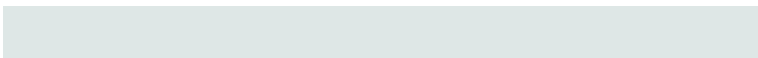
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.4162, 0.3110, 0.3228



78.4162, 0.3200, 0.3341



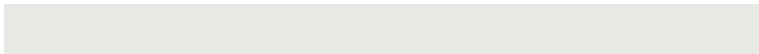
78.4162, 0.3072, 0.3301

Complementary

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



78.4162, 0.3110, 0.3228



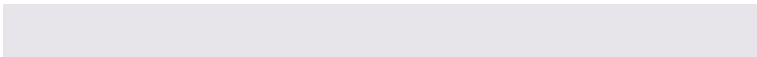
81.3979, 0.3144, 0.3352

Split Complementary

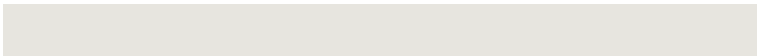
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.4162, 0.3105, 0.3333



78.4162, 0.3110, 0.3228



78.4162, 0.3179, 0.3356

Square

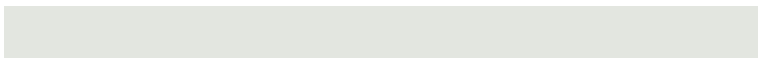
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.4162, 0.3110, 0.3228



78.4162, 0.3201, 0.3313



78.4162, 0.3144, 0.3353



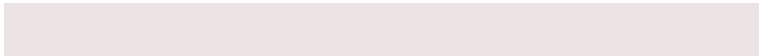
78.4162, 0.3054, 0.3267

Rectangle

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



78.4162, 0.3110, 0.3228



78.4162, 0.3173, 0.3268



78.4162, 0.3144, 0.3353



78.4162, 0.3082, 0.3313

Sweetspot

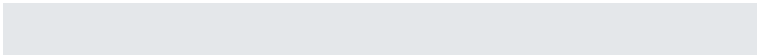
The Sweet Spot groups the original color and five complimentary colors.



78.4196, 0.3110, 0.3228



98.1466, 0.3120, 0.3266



79.5719, 0.3088, 0.3259



21.0269, 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.



78.4196, 0.3110, 0.3228



94.5088, 0.3107, 0.3216



78.9109, 0.3130, 0.3228



16.6586, 0.3101, 0.3197



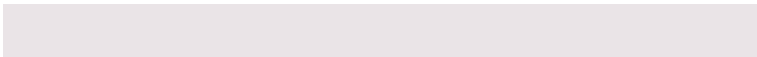
5.6112, 0.2040, 0.0898



0.4978, 0.2189, 0.0979

Inverse Universe

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



78.7387, 0.3149, 0.3260



94.9681, 0.3154, 0.3254



80.9149, 0.3124, 0.3352



16.7616, 0.3161, 0.3245



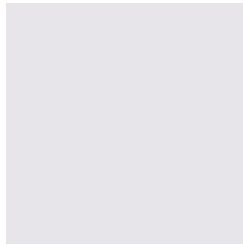
10.5527, 0.4990, 0.2522



0.8480, 0.4677, 0.2350

Previews

White Background



This preview shows how the Yxy color 78.4162, 0.3110, 0.3228 looks on a white background.

Color Contrast Check

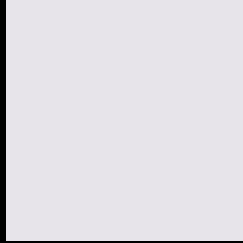
Large Text (above 18pt) WCAG AA × Fail

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 78.4162, 0.3110, 0.3228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

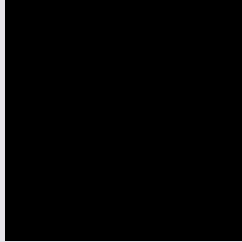
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

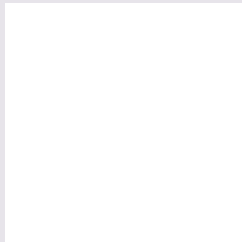
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.4162, 0.3110, 0.3228

Background



This preview shows how black text looks on a background with the Yxy color 78.4162, 0.3110, 0.3228.

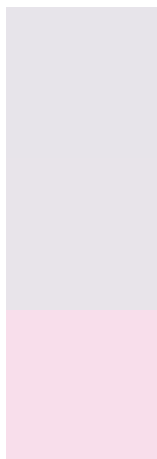


This preview shows how white text looks on a background with the Yxy color 78.4162, 0.3110, 0.3228.

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

78.4162, 0.3110, 0.3228

Protanopia

78.5831, 0.3116, 0.3228

Deuteranopia

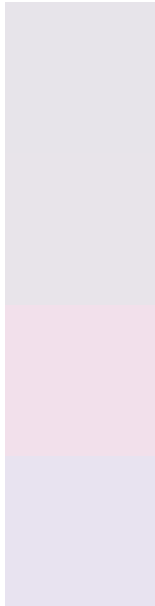
78.1972, 0.3225, 0.3159



Tritanopia

78.2480, 0.3061, 0.3105

Trichromacy



Original Color

78.4162, 0.3110, 0.3228

Protanomaly

78.5831, 0.3116, 0.3228

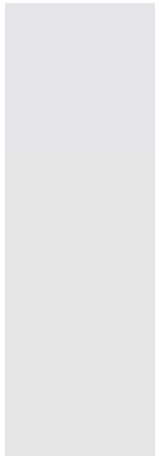
Deuteranomaly

78.1867, 0.3181, 0.3178

Tritanomaly

78.3852, 0.3079, 0.3156

Monochromacy



Original Color

78.4162, 0.3110, 0.3228

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

78.6311, 0.3121, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.4162, 0.3110, 0.3228 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, 228, 234)` looks like.

```
.text, #text, p{  
    color:rgb(231, 228, 234)  
}
```

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, 228, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 228, 234) }
```

Border

The CSS property to change the border of an element to Yxy 78.4162, 0.3110, 0.3228 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, 228, 234) }
```

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

```
.border{ border-color:rgb(231, 228, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 228, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 228, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 228, 234);  
box-shadow:4px 4px 4px 4px rgb(231, 228,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 78.4162, 0.3110, 0.3228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 228, 234) }
```

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

```
.background{ background-color: rgb(231,  
228, 234) }
```

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