

Converting Colors

$Y_{xy}(78.3238, 0.3134, 0.3215)$

Have a look what the booklet for
Yxy(78.3238, 0.3134, 0.3215)
contains.

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Color

Yxy(78.3711, 0.3131, 0.3218)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | EAE3EA |
| RGB | 234, 227, 234 |
| RGB Percent | 92%, 89%, 92% |
| CMY | 0.0823, 0.1098, 0.0825 |
| CMYK | 0.00, 0.03, 0.00, 0.08 |
| HSL | 301°, 14%, 90% |
| HSV | 301°, 3%, 92% |
| XYZ | 76.2523, 78.3711, 88.9164 |
| YIQ | 229.8910, 1.9250, 3.6610 |

Conversions

Conversions Part 2

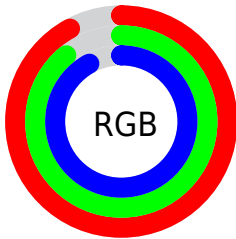
| Format | Color |
|-------------------------------------|-----------------------------|
| R _Y B | 234, 227, 234 |
| Decimal | 15393770 |
| CIE Lab | 90.95, 3.61, -2.55 |
| CIE LCh | 91, 4.416, 324.795 |
| Yxy | 78.3711, 0.3131, 0.3218 |
| Android (android.graphics.Color) | 4293583850 (0xFFEAE3EA) |
| YUV | 229.8910, 2.0257, 3.6036 |
| Hunter-Lab | 88.5275, -1.1737, 2.4187 |

Details

The Yxy color **78.3711, 0.3131, 0.3218** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **80.7405, 0.3123, 0.3363**, and the grayscale version is **79.0320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.1844, 0.3131, 0.3210** is the 20% darker color. If you saturate the color by 10%, you get **66.4179, 0.3144, 0.2973**, and if you desaturate by 10%, it is **92.0709, 0.3118, 0.3454**.

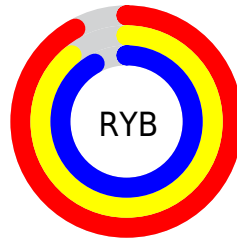
Distribution



Red (92%)

Green (89%)

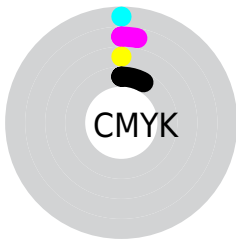
Blue (92%)



Red (92%)

Yellow (89%)

Blue (92%)

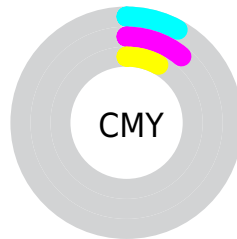


Cyan (0%)

Magenta (3%)

Yellow (0%)

Black (8%)



Cyan (8%)


Magenta (11%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.3711, 0.3131, 0.3218 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 78.3711, 0.3131, 0.3218 by changing the saturation by 10% instead.


 78.3711, 0.3131,
0.3218

 78.3711, 0.3131,
0.3218


489.4262, 0.3129,
0.3251

 58.3789, 0.3131,
0.3211

131.0731, 0.3130,
0.3229

 42.1133, 0.3132,
0.3202


164.5517, 0.3130,
0.3234

 29.1900, 0.3132,
0.3190


203.2946, 0.3130,
0.3238

 19.2246, 0.3133,
0.3176

247.6860, 0.3130,
0.3241

 11.8327, 0.3134,
0.3156

298.1105, 0.3130,
0.3244

 6.6299, 0.3135,
0.3128

354.9525, 0.3130,

 3.2317, 0.3136,

0.3246

0.3085

418.5962, 0.3129,
0.3249

■ 1.2539, 0.3138,
0.3012

■ 0.1051, 0.3211,
0.1795

■ 78.3711, 0.3131,
0.3218

■ 78.3711, 0.3131,
0.3218

■ 66.4179, 0.3144,
0.2973

■ 92.0709, 0.3118,
0.3454

■ 56.1316, 0.3158,
0.2724

■ 94.9802, 0.3115,
0.3497

■ 47.4411, 0.3172,
0.2478

■ 94.9930, 0.3114,
0.3495

■ 40.2664, 0.3185,
0.2246

■ 95.0059, 0.3113,
0.3492

34.5206, 0.3198,
0.2037

95.0188, 0.3111,
0.3490

30.1078, 0.3209,
0.1859

95.0317, 0.3110,
0.3488

26.9208, 0.3218,
0.1721

95.0447, 0.3109,
0.3486

24.8355, 0.3226,
0.1626

95.0576, 0.3107,
0.3483

23.7017, 0.3231,
0.1573

95.0706, 0.3106,
0.3481

Harmonies

Analogous

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



78.3711, 0.3080, 0.3202



78.3711, 0.3131, 0.3218



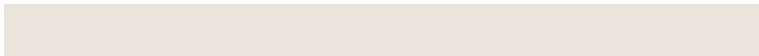
78.3711, 0.3181, 0.3253

Triad

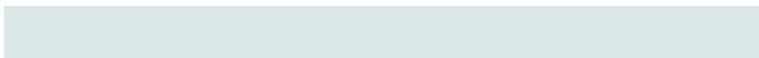
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.3711, 0.3131, 0.3218



78.3711, 0.3213, 0.3372



78.3711, 0.3038, 0.3281

Complementary

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



78.3711, 0.3131, 0.3218



80.7405, 0.3123, 0.3363

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.



78.3711, 0.3073, 0.3327



78.3711, 0.3131, 0.3218



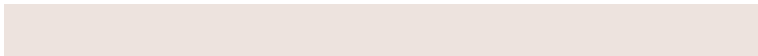
78.3711, 0.3174, 0.3380

Square

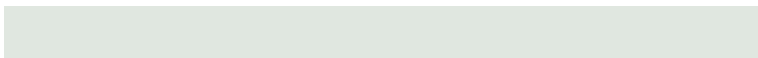
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



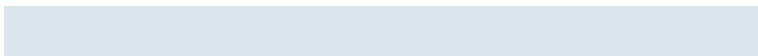
78.3711, 0.3131, 0.3218



78.3711, 0.3229, 0.3342



78.3711, 0.3123, 0.3364



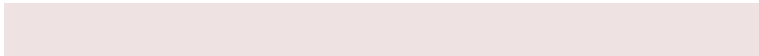
78.3711, 0.3026, 0.3237

Rectangle

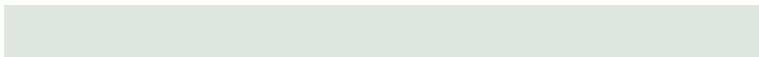
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.3711, 0.3131, 0.3218



78.3711, 0.3208, 0.3283



78.3711, 0.3123, 0.3364



78.3711, 0.3047, 0.3297

Sweetspot

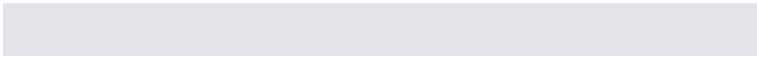
The Sweet Spot groups the original color and five complimentary colors.



78.3745, 0.3131, 0.3218



98.3822, 0.3128, 0.3266



77.2133, 0.3082, 0.3216



21.0749, 0.3128, 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.



78.3745, 0.3131, 0.3218



93.6576, 0.3132, 0.3193



78.1785, 0.3153, 0.3254



16.5569, 0.3133, 0.3176



13.0976, 0.3233, 0.1555



1.0293, 0.3230, 0.1553

Inverse Universe

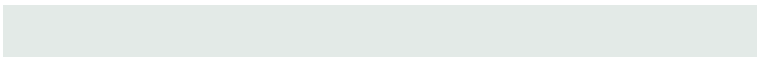
The Inverse Universe completely reimagines the original color for something new.



78.3745, 0.3131, 0.3218



93.6576, 0.3132, 0.3193



80.9326, 0.3102, 0.3327



16.5569, 0.3133, 0.3176



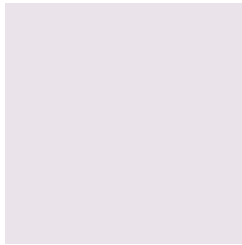
13.0976, 0.3233, 0.1555



1.0293, 0.3230, 0.1553

Previews

White Background



This preview shows how the Yxy color 78.3711, 0.3131, 0.3218 looks on a white background.

Color Contrast Check

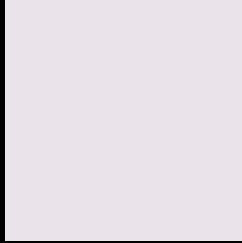
Large Text (above 18pt) WCAG AA × Fail

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 78.3711, 0.3131, 0.3218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

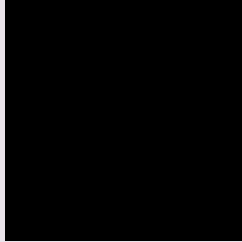
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

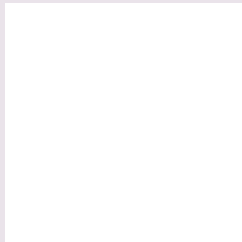
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.3711, 0.3131, 0.3218

Background



This preview shows how black text looks on a background with the Yxy color 78.3711, 0.3131, 0.3218.

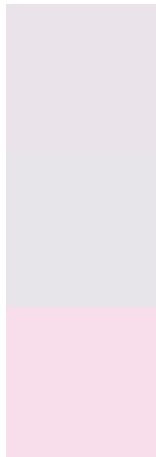


This preview shows how white text looks on a background with the Yxy color 78.3711, 0.3131, 0.3218.

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

78.3711, 0.3131, 0.3218

Protanopia

78.4162, 0.3110, 0.3228

Deuteranopia

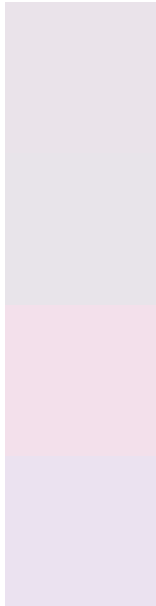
78.1972, 0.3225, 0.3159



Tritanopia

78.5259, 0.3081, 0.3116

Trichromacy



Original Color

78.3711, 0.3131, 0.3218

Protanomaly

78.5831, 0.3116, 0.3228

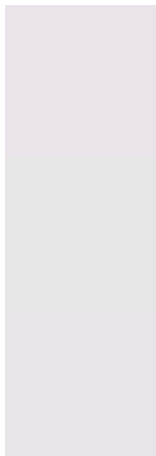
Deuteranomaly

78.3642, 0.3188, 0.3178

Tritanomaly

78.3462, 0.3100, 0.3146

Monochromacy



Original Color

78.3711, 0.3131, 0.3218

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

78.7971, 0.3128, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.3711, 0.3131, 0.3218 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, 227, 234)` looks like.

```
.text, #text, p{  
    color:rgb(234, 227, 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(234, 227, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 227, 234) }
```

Border

The CSS property to change the border of an element to Yxy 78.3711, 0.3131, 0.3218 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, 227, 234) }
```

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

```
.border{ border-color:rgb(234, 227, 234) }
```

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

Here you see how a box with a 4 pixel rgb(234, 227, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 227, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 227, 234);  
box-shadow:4px 4px 4px 4px rgb(234, 227,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 78.3711, 0.3131, 0.3218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 227, 234) }
```

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

```
.background{ background-color: rgb(234,  
227, 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](#).

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