

Converting Colors

$Y_{xy}(78.8525, 0.3180, 0.3253)$

Have a look what the booklet for
Yxy(78.8525, 0.3180, 0.3253)
contains.

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Color

Yxy(78.8848, 0.3178, 0.3249)

Conversions

Conversions Part 1

Format	Color
Hex	EEE3E7
RGB	238, 227, 231
RGB Percent	93%, 89%, 91%
CMY	0.0665, 0.1098, 0.0942
CMYK	0.00, 0.05, 0.03, 0.07
HSL	338°, 25%, 91%
HSV	338°, 5%, 93%
XYZ	77.1609, 78.8848, 86.7514
YIQ	230.7450, 5.2720, 3.5760

Conversions

Conversions Part 2

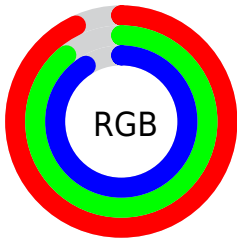
Format	Color
R _Y B	238, 227, 231
Decimal	15655911
CIE Lab	91.18, 4.44, -0.61
CIE LCh	91, 4.484, 352.127
Yxy	78.8848, 0.3178, 0.3249
Android (android.graphics.Color)	4293845991 (0xFFEEE3E7)
YUV	230.7450, 0.1257, 6.3626
Hunter-Lab	88.8171, -0.3559, 4.2609

Details

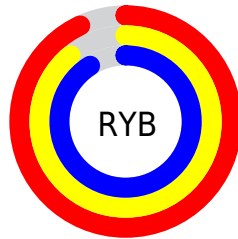
The Yxy color **78.8848, 0.3178, 0.3249** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.4455, 0.3079, 0.3331**, and the grayscale version is **79.7129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.5453, 0.3192, 0.3250** is the 20% darker color. If you saturate the color by 10%, you get **65.9332, 0.3305, 0.3156**, and if you desaturate by 10%, it is **93.7179, 0.3074, 0.3336**.

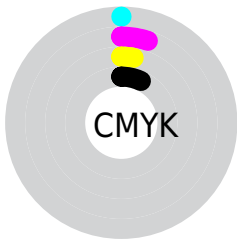
Distribution



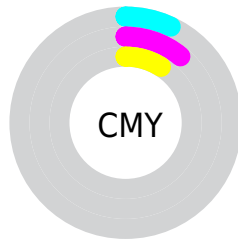
- Red (93%)
- Green (89%)
- Blue (91%)



- Red (93%)
- Yellow (89%)
- Blue (91%)



- Cyan (0%)
- Magenta (5%)
- Yellow (3%)
- Black (7%)





- Cyan (7%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.8848, 0.3178, 0.3249 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 78.8848, 0.3178, 0.3249 by changing the saturation by 10% instead.


 78.8848, 0.3178,
0.3249

 78.8848, 0.3178,
0.3249


491.1665, 0.3155,
0.3268

 58.8011, 0.3183,
0.3245


131.7967, 0.3170,
0.3255

 42.4530, 0.3190,
0.3240

165.3936, 0.3167,
0.3258

 29.4562, 0.3198,
0.3233


204.2638, 0.3164,
0.3260

 19.4262, 0.3208,
0.3225

248.7916, 0.3162,
0.3262

 11.9786, 0.3222,
0.3213

299.3613, 0.3160,
0.3264

 6.7291, 0.3242,
0.3197

356.3575, 0.3158,

 3.2933, 0.3273,

0.3265

0.3172

420.1644, 0.3156,
0.3267

■ 1.2867, 0.3326,
0.3130

■ 0.1309, 0.4240,
0.2383

■ 78.8848, 0.3178,
0.3249

■ 78.8848, 0.3178,
0.3249

■ 65.9332, 0.3305,
0.3156

■ 93.7179, 0.3074,
0.3336

■ 54.7776, 0.3461,
0.3059

■ 96.9241, 0.3024,
0.3290

■ 45.3409, 0.3649,
0.2960

■ 37.5367, 0.3875,
0.2865

■ 31.2707, 0.4141,
0.2782

■ 26.4392, 0.4443,
0.2721

■ 22.9253, 0.4771,
0.2695

■ 20.5934, 0.5105,
0.2716

■ 19.2780, 0.5418,
0.2789

Harmonies

Analogous

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



78.8848, 0.3126, 0.3215



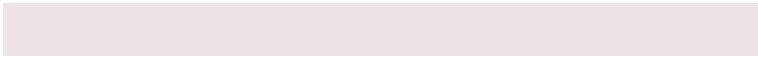
78.8848, 0.3178, 0.3249



78.8848, 0.3216, 0.3294

Triad

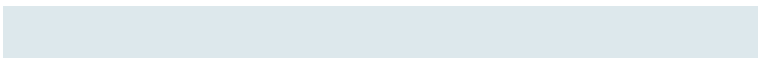
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.8848, 0.3178, 0.3249



78.8848, 0.3179, 0.3382



78.8848, 0.3025, 0.3240

Complementary

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



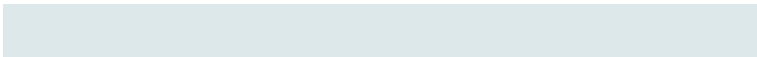
78.8848, 0.3178, 0.3249



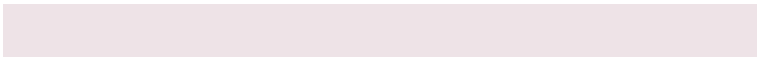
83.4455, 0.3079, 0.3331

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.



78.8848, 0.3039, 0.3285



78.8848, 0.3178, 0.3249



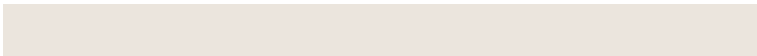
78.8848, 0.3128, 0.3367

Square

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



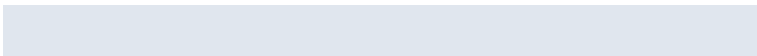
78.8848, 0.3178, 0.3249



78.8848, 0.3217, 0.3371



78.8848, 0.3076, 0.3332



78.8848, 0.3038, 0.3209

Rectangle

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



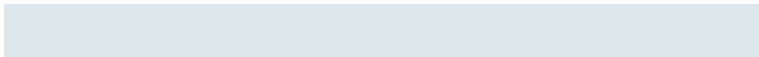
78.8848, 0.3178, 0.3249



78.8848, 0.3229, 0.3325



78.8848, 0.3076, 0.3332



78.8848, 0.3027, 0.3254

Sweetspot

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



78.8882, 0.3178, 0.3249



98.2794, 0.3138, 0.3281



78.6014, 0.3105, 0.3176



21.0540, 0.3137, 0.3282



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

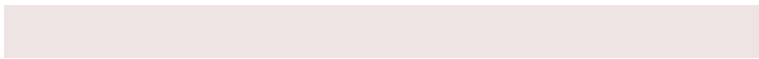
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8882, 0.3178, 0.3249



90.0105, 0.3194, 0.3237



79.4741, 0.3203, 0.3305



16.6782, 0.3201, 0.3231



10.5390, 0.5531, 0.2820



0.8952, 0.5168, 0.2621

Inverse Universe

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



78.8882, 0.3178, 0.3249



90.0105, 0.3194, 0.3237



82.8235, 0.3055, 0.3275



16.6782, 0.3201, 0.3231



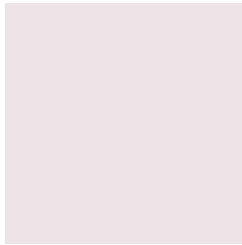
10.5390, 0.5531, 0.2820



0.8952, 0.5168, 0.2621

Previews

White Background



This preview shows how the Yxy color 78.8848, 0.3178, 0.3249 looks on a white background.

Color Contrast Check

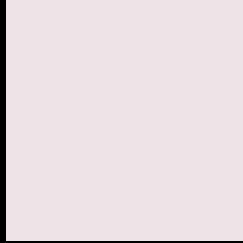
Large Text (above 18pt) WCAG AA × Fail

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 78.8848, 0.3178, 0.3249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

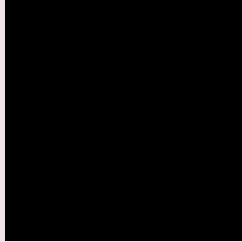
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

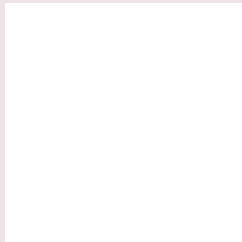
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.8848, 0.3178, 0.3249

Background



This preview shows how black text looks on a background with the Yxy color 78.8848, 0.3178, 0.3249.

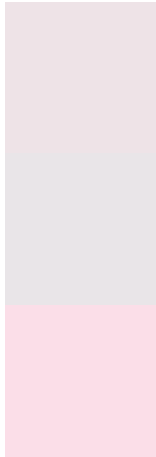


This preview shows how white text looks on a background with the Yxy color 78.8848, 0.3178, 0.3249.

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

78.8848, 0.3178, 0.3249

Protanopia

79.1885, 0.3135, 0.3259

Deuteranopia

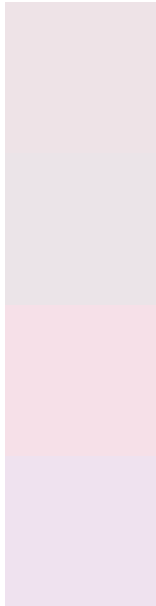
78.5780, 0.3267, 0.3190



Tritanopia

78.8468, 0.3115, 0.3107

Trichromacy



Original Color

78.8848, 0.3178, 0.3249

Protanomaly

78.9752, 0.3150, 0.3249

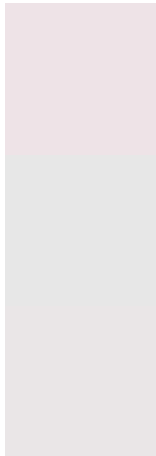
Deuteranomaly

78.7303, 0.3230, 0.3209

Tritanomaly

78.9754, 0.3133, 0.3157

Monochromacy



Original Color

78.8848, 0.3178, 0.3249

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

79.8556, 0.3148, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8848, 0.3178, 0.3249 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(238, 227, 231)` looks like.

```
.text, #text, p{  
    color:rgb(238, 227, 231)  
}
```

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(238, 227, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 227, 231) }
```

Border

The CSS property to change the border of an element to Yxy 78.8848, 0.3178, 0.3249 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(238, 227, 231) }
```

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

```
.border{ border-color:rgb(238, 227, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 227, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 227, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 227, 231);  
box-shadow:4px 4px 4px 4px rgb(238, 227,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8848, 0.3178, 0.3249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 227, 231) }
```

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

```
.background{ background-color: rgb(238,  
227, 231) }
```

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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