

Converting Colors

$Y_{xy}(77.5500, 0.3142, 0.3240)$

Have a look what the booklet for
Yxy(77.5500, 0.3142, 0.3240)
contains.

Yxy(77.4859, 0.3143, 0.3238)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.4859, 0.3143, 0.3238)

Conversions

Conversions Part 1

Format	Color
Hex	E9E2E7
RGB	233, 226, 231
RGB Percent	91%, 89%, 91%
CMY	0.0865, 0.1136, 0.0941
CMYK	0.00, 0.03, 0.01, 0.09
HSL	317°, 14%, 90%
HSV	317°, 3%, 91%
XYZ	75.2125, 77.4859, 86.6033
YIQ	228.6630, 2.5670, 3.0390

Conversions

Conversions Part 2

Format	Color
R_{YB}	233, 226, 231
Decimal	15327975
CIE Lab	90.54, 3.23, -1.61
CIE LCh	91, 3.607, 333.536
Yxy	77.4859, 0.3143, 0.3238
Android (android.graphics.Color)	4293518055 (0xFFE9E2E7)
YUV	228.6630, 1.1521, 3.8035
Hunter-Lab	88.0261, -1.5290, 3.2866

Details

The Yxy color **77.4859, 0.3143, 0.3238** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **80.0183, 0.3112, 0.3343**, and the grayscale version is **78.0817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.5681, 0.3148, 0.3236** is the 20% darker color. If you saturate the color by 10%, you get **65.3075, 0.3202, 0.3057**, and if you desaturate by 10%, it is **91.4058, 0.3093, 0.3409**.

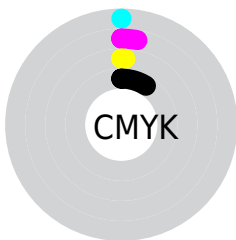
Distribution



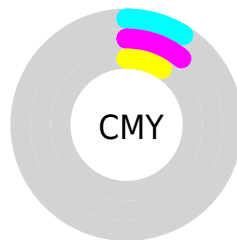
- Red (91%)
- Green (89%)
- Blue (91%)



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



- Cyan (0%)
- Magenta (3%)
- Yellow (1%)
- Black (9%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.4859, 0.3143, 0.3238 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 77.4859, 0.3143, 0.3238 by changing the saturation by 10% instead.

■ 77.4859, 0.3143,
0.3238

■ 77.4859, 0.3143,
0.3238

486.4191, 0.3136,
0.3262

■ 57.6518, 0.3145,
0.3233

129.8252, 0.3141,
0.3246

■ 41.5287, 0.3147,
0.3226

163.0990, 0.3140,
0.3249

■ 28.7325, 0.3149,
0.3218

201.6217, 0.3139,
0.3252

■ 18.8785, 0.3152,
0.3207

245.7774, 0.3138,
0.3255

■ 11.5825, 0.3157,
0.3193

295.9506, 0.3137,
0.3257

■ 6.4601, 0.3163,
0.3172

352.5257, 0.3137,

■ 3.1268, 0.3172,

0.3259

0.3140

415.8871, 0.3136,
0.3260

■ 1.1983, 0.3188,
0.3086

■ 0.0603, 0.3635,
0.1610

■ 77.4859, 0.3143,
0.3238

■ 77.4859, 0.3143,
0.3238

■ 65.3075, 0.3202,
0.3057

■ 91.4058, 0.3093,
0.3409

■ 54.7913, 0.3272,
0.2871

■ 95.3667, 0.3054,
0.3400

■ 45.8672, 0.3352,
0.2682

■ 95.7684, 0.3018,
0.3334

■ 38.4558, 0.3444,
0.2500

■ 96.0546, 0.2993,
0.3290

■ 32.4710, 0.3545,
0.2332

■ 27.8180, 0.3655,
0.2189

■ 24.3906, 0.3771,
0.2082

■ 22.0660, 0.3889,
0.2020

■ 20.6957, 0.4004,
0.2007

Harmonies

Analogous

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



77.4859, 0.3100, 0.3220



77.4859, 0.3143, 0.3238



77.4859, 0.3182, 0.3270

Triad

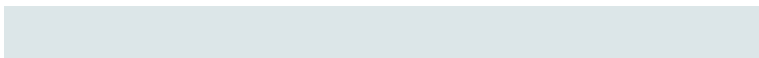
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.4859, 0.3143, 0.3238



77.4859, 0.3190, 0.3361



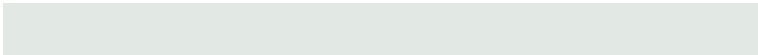
77.4859, 0.3049, 0.3272

Complementary

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



77.4859, 0.3143, 0.3238



80.0183, 0.3112, 0.3343

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.



77.4859, 0.3073, 0.3310



77.4859, 0.3143, 0.3238



77.4859, 0.3154, 0.3362

Square

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



77.4859, 0.3143, 0.3238



77.4859, 0.3209, 0.3341



77.4859, 0.3111, 0.3343



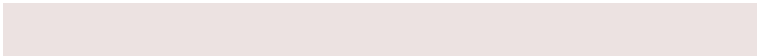
77.4859, 0.3046, 0.3239

Rectangle

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



77.4859, 0.3143, 0.3238



77.4859, 0.3200, 0.3295



77.4859, 0.3111, 0.3343



77.4859, 0.3055, 0.3284

Sweetspot

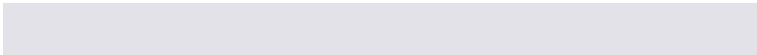
The Sweet Spot groups the original color and five complimentary colors.



77.4892, 0.3143, 0.3238



98.3381, 0.3132, 0.3273



76.7568, 0.3096, 0.3217



21.0659, 0.3132, 0.3273



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.



77.4892, 0.3143, 0.3238



93.4820, 0.3149, 0.3220



77.3002, 0.3165, 0.3273



16.5199, 0.3153, 0.3207



11.4565, 0.4066, 0.2013



0.9158, 0.3920, 0.1933

Inverse Universe

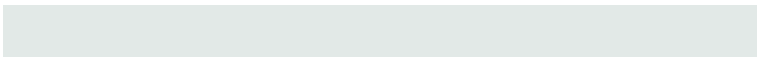
The Inverse Universe completely reimagines the original color for something new.



77.4892, 0.3143, 0.3238



93.4820, 0.3149, 0.3220



80.2077, 0.3091, 0.3307



16.5199, 0.3153, 0.3207



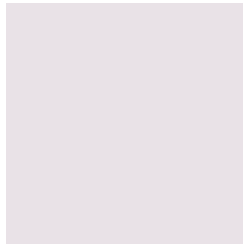
11.4565, 0.4066, 0.2013



0.9158, 0.3920, 0.1933

Previews

White Background



This preview shows how the Yxy color 77.4859, 0.3143, 0.3238 looks on a white background.

Color Contrast Check

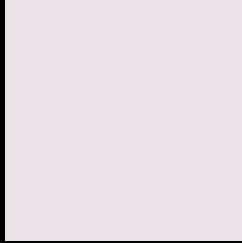
Large Text (above 18pt) WCAG AA × Fail

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 77.4859, 0.3143, 0.3238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

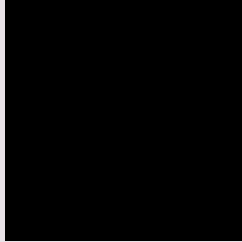
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

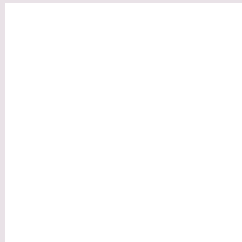
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.4859, 0.3143, 0.3238

Background



This preview shows how black text looks on a background with the Yxy color 77.4859, 0.3143, 0.3238.

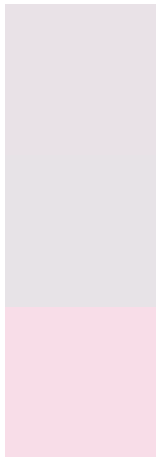


This preview shows how white text looks on a background with the Yxy color 77.4859, 0.3143, 0.3238.

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

77.4859, 0.3143, 0.3238

Protanopia

77.6966, 0.3129, 0.3248

Deuteranopia

77.4956, 0.3246, 0.3179



Tritanopia

77.3843, 0.3087, 0.3105

Trichromacy



Original Color

77.4859, 0.3143, 0.3238

Protanomaly

77.8635, 0.3136, 0.3248

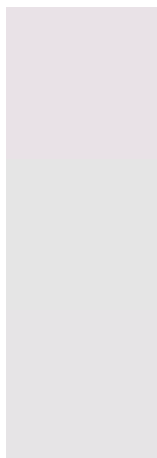
Deuteranomaly

77.6562, 0.3209, 0.3198

Tritanomaly

77.5159, 0.3106, 0.3156

Monochromacy



Original Color

77.4859, 0.3143, 0.3238

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.0230, 0.3128, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.4859, 0.3143, 0.3238 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(233, 226, 231)` looks like.

```
.text, #text, p{  
    color:rgb(233, 226, 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(233, 226, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 226, 231) }
```

Border

The CSS property to change the border of an element to Yxy 77.4859, 0.3143, 0.3238 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(233, 226, 231) }
```

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

```
.border{ border-color:rgb(233, 226, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 226, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 226, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 226, 231);  
box-shadow:4px 4px 4px 4px rgb(233, 226,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 77.4859, 0.3143, 0.3238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 226, 231) }
```

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

```
.background{ background-color: rgb(233,  
226, 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](#).

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