

Converting Colors

$Y_{xy}(77.8697, 0.3138, 0.3253)$

Have a look what the booklet for
Yxy(77.8697, 0.3138, 0.3253)
contains.

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Color

Yxy(77.8635, 0.3136, 0.3248)

Conversions

Conversions Part 1

Format	Color
Hex	E8E3E7
RGB	232, 227, 231
RGB Percent	91%, 89%, 91%
CMY	0.0901, 0.1098, 0.0940
CMYK	0.00, 0.02, 0.00, 0.09
HSL	312°, 10%, 90%
HSV	312°, 2%, 91%
XYZ	75.1786, 77.8635, 86.6855
YIQ	228.9510, 1.6960, 2.3040

Conversions

Conversions Part 2

Format	Color
R _Y B	232, 227, 231
Decimal	15262695
CIE Lab	90.72, 2.41, -1.37
CIE LCh	91, 2.775, 330.464
Yxy	77.8635, 0.3136, 0.3248
Android (android.graphics.Color)	4293452775 (0xFFE8E3E7)
YUV	228.9510, 1.0102, 2.6740
Hunter-Lab	88.2403, -2.3429, 3.5229

Details

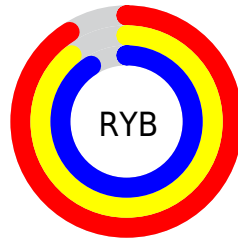
The Yxy color **77.8635, 0.3136, 0.3248** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79.6556, 0.3118, 0.3332**, and the grayscale version is **78.3129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.8303, 0.3138, 0.3250** is the 20% darker color. If you saturate the color by 10%, you get **65.7624, 0.3181, 0.3049**, and if you desaturate by 10%, it is **91.6884, 0.3098, 0.3438**.

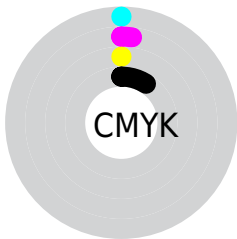
Distribution



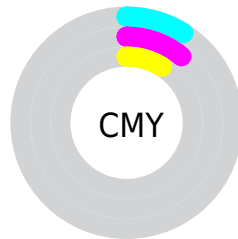
- Red (91%)
- Green (89%)
- Blue (91%)



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



- Cyan (0%)
- Magenta (2%)
- Yellow (0%)
- Black (9%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8635, 0.3136, 0.3248 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 77.8635, 0.3136, 0.3248 by changing the saturation by 10% instead.

■ 77.8635, 0.3136,
0.3248

■ 77.8635, 0.3136,
0.3248

487.7031, 0.3132,
0.3267

■ 57.9619, 0.3137,
0.3244

130.3577, 0.3135,
0.3255

■ 41.7780, 0.3138,
0.3238

163.7190, 0.3134,
0.3257

■ 28.9275, 0.3139,
0.3232

202.3357, 0.3134,
0.3259

■ 19.0260, 0.3141,
0.3223

246.5921, 0.3133,
0.3261

■ 11.6890, 0.3143,
0.3211

296.8727, 0.3133,
0.3263

■ 6.5323, 0.3147,
0.3195

353.5618, 0.3133,

■ 3.1714, 0.3152,

0.3265

0.3169

417.0438, 0.3132,
0.3266

■ 1.2218, 0.3161,
0.3125

■ 0.0794, 0.3395,
0.2006

■ 77.8635, 0.3136,
0.3248

■ 77.8635, 0.3136,
0.3248

■ 65.7624, 0.3181,
0.3049

■ 91.6884, 0.3098,
0.3438

■ 55.3070, 0.3233,
0.2843

■ 94.9830, 0.3070,
0.3438

■ 46.4282, 0.3291,
0.2636

■ 95.2599, 0.3044,
0.3392

■ 39.0480, 0.3357,
0.2436

■ 95.5437, 0.3018,
0.3345

■ 33.0820, 0.3429,
0.2252

■ 95.8346, 0.2993,
0.3300

■ 28.4371, 0.3505,
0.2094

■ 95.8990, 0.2988,
0.3290

■ 25.0093, 0.3583,
0.1972

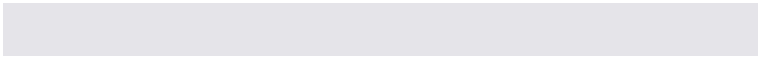
■ 22.6787, 0.3661,
0.1893

■ 21.3011, 0.3736,
0.1861

Harmonies

Analogous

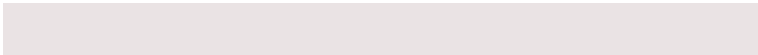
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8635, 0.3103, 0.3235



77.8635, 0.3136, 0.3248



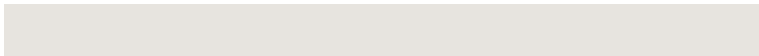
77.8635, 0.3167, 0.3272

Triad

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



77.8635, 0.3136, 0.3248



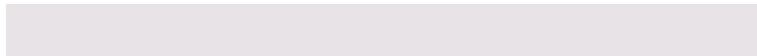
77.8635, 0.3178, 0.3344



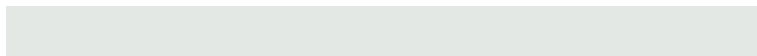
77.8635, 0.3068, 0.3279

Complementary

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



77.8635, 0.3136, 0.3248



79.6556, 0.3118, 0.3332

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.



77.8635, 0.3088, 0.3308



77.8635, 0.3136, 0.3248



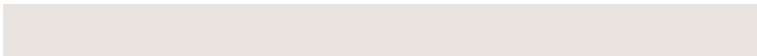
77.8635, 0.3151, 0.3346

Square

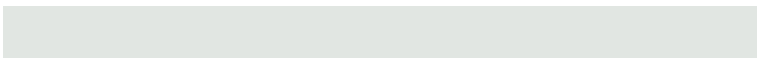
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



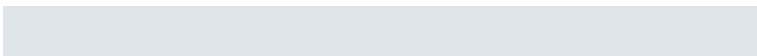
77.8635, 0.3136, 0.3248



77.8635, 0.3191, 0.3327



77.8635, 0.3118, 0.3333



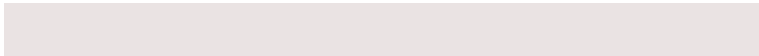
77.8635, 0.3064, 0.3253

Rectangle

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



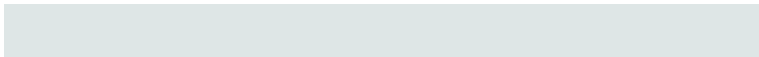
77.8635, 0.3136, 0.3248



77.8635, 0.3182, 0.3291



77.8635, 0.3118, 0.3333



77.8635, 0.3073, 0.3289

Sweetspot

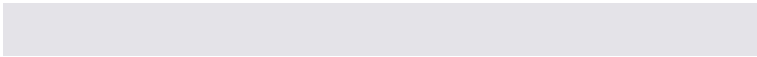
The Sweet Spot groups the original color and five complimentary colors.



77.8669, 0.3136, 0.3248



98.3513, 0.3131, 0.3271



77.2448, 0.3101, 0.3237



21.0686, 0.3131, 0.3272



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

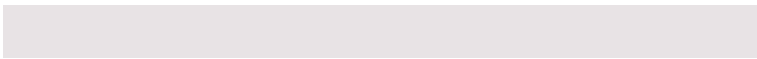
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8669, 0.3136, 0.3248



95.1186, 0.3140, 0.3231



77.7301, 0.3152, 0.3273



16.0256, 0.3143, 0.3216



11.5121, 0.3782, 0.1857



0.8632, 0.3683, 0.1802

Inverse Universe

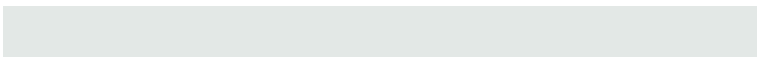
The Inverse Universe completely reimagines the original color for something new.



77.8669, 0.3136, 0.3248



95.1186, 0.3140, 0.3231



79.7919, 0.3103, 0.3307



16.0256, 0.3143, 0.3216



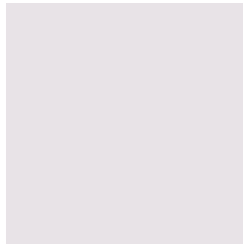
11.5121, 0.3782, 0.1857



0.8632, 0.3683, 0.1802

Previews

White Background



This preview shows how the Yxy color 77.8635, 0.3136, 0.3248 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 77.8635, 0.3136, 0.3248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

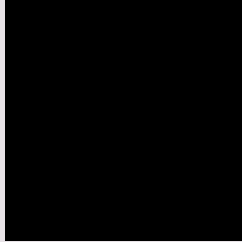
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

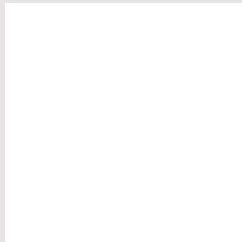
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.8635, 0.3136, 0.3248

Background



This preview shows how black text looks on a background with the Yxy color 77.8635, 0.3136, 0.3248.

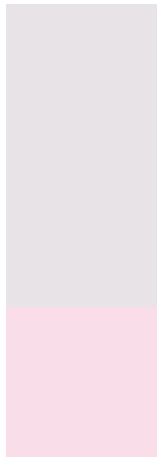


This preview shows how white text looks on a background with the Yxy color 77.8635, 0.3136, 0.3248.

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

77.8635, 0.3136, 0.3248

Protanopia

77.6966, 0.3129, 0.3248

Deuteranopia

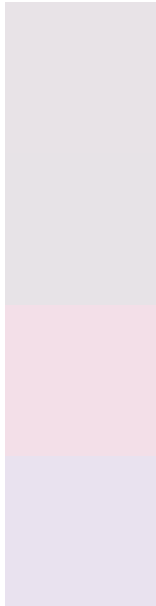
77.6788, 0.3254, 0.3179



Tritanopia

77.8139, 0.3074, 0.3105

Trichromacy



Original Color

77.8635, 0.3136, 0.3248

Protanomaly

77.6966, 0.3129, 0.3248

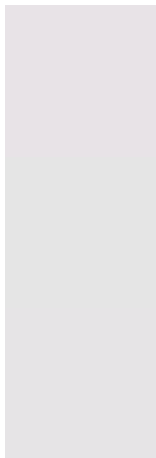
Deuteranomaly

77.6562, 0.3209, 0.3198

Tritanomaly

77.9483, 0.3092, 0.3156

Monochromacy



Original Color

77.8635, 0.3136, 0.3248

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 77.8635, 0.3136, 0.3248 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(232, 227, 231)` looks like.

```
.text, #text, p{  
    color:rgb(232, 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(232, 227, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 227, 231) }
```

Border

The CSS property to change the border of an element to Yxy 77.8635, 0.3136, 0.3248 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(232, 227, 231) }
```

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

```
.border{ border-color:rgb(232, 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(232, 227, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 227, 231); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 227, 231); box-shadow:4px 4px 4px 4px rgb(232, 227, 231) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8635, 0.3136, 0.3248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 227, 231) }
```

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

```
.background{ background-color: rgb(232,  
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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