

Converting Colors

$Y_{xy}(77.3314, 0.3155, 0.3252)$

Have a look what the booklet for
Yxy(77.3314, 0.3155, 0.3252)
contains.

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Color

Yxy(77.3735, 0.3156, 0.3259)

Conversions

Conversions Part 1

Format	Color
Hex	E9E2E5
RGB	233, 226, 229
RGB Percent	91%, 89%, 90%
CMY	0.0865, 0.1136, 0.1020
CMYK	0.00, 0.03, 0.02, 0.09
HSL	334°, 14%, 90%
HSV	334°, 3%, 91%
XYZ	74.9281, 77.3735, 85.1132
YIQ	228.4350, 3.2090, 2.4170

Conversions

Conversions Part 2

Format	Color
R _Y B	233, 226, 229
Decimal	15327973
CIE Lab	90.49, 2.87, -0.63
CIE LCh	90, 2.936, 347.658
Yxy	77.3735, 0.3156, 0.3259
Android (android.graphics.Color)	4293518053 (0xFFE9E2E5)
YUV	228.4350, 0.2785, 4.0035
Hunter-Lab	87.9622, -1.8837, 4.2039

Details

The Yxy color `77.3735, 0.3156, 0.3259` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `80.1270, 0.3099, 0.3321`, and the grayscale version is `77.9107, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `41.5289, 0.3156, 0.3250` is the 20% darker color. If you saturate the color by 10%, you get `64.8423, 0.3267, 0.3150`, and if you desaturate by 10%, it is `91.6891, 0.3065, 0.3361`.

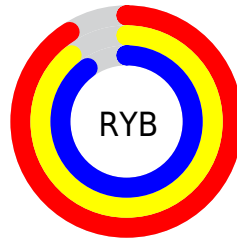
Distribution



Red (91%)

Green (89%)

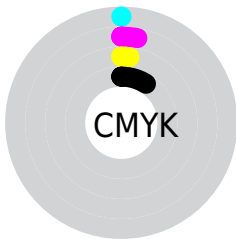
Blue (90%)



Red (91%)

Yellow (89%)

Blue (90%)

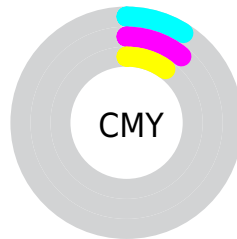


Cyan (0%)

Magenta (3%)

Yellow (2%)

Black (9%)



Cyan (9%)

Magenta (11%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.3735, 0.3156, 0.3259 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 77.3735, 0.3156, 0.3259 by changing the saturation by 10% instead.

■ 77.3735, 0.3156,
0.3259

■ 77.3735, 0.3156,
0.3259

486.0365, 0.3143,
0.3273

■ 57.5595, 0.3159,
0.3256

129.6666, 0.3151,
0.3264

■ 41.4546, 0.3163,
0.3252

162.9144, 0.3150,
0.3266

■ 28.6745, 0.3167,
0.3247

201.4090, 0.3148,
0.3268

■ 18.8347, 0.3173,
0.3240

245.5347, 0.3147,
0.3269

■ 11.5509, 0.3181,
0.3232

295.6759, 0.3146,
0.3270

■ 6.4387, 0.3193,
0.3219

352.2170, 0.3145,

■ 3.1136, 0.3211,

0.3271

415.5424, 0.3144,
0.3272

0.3200

1.1913, 0.3242,
0.3166

0.0546, 0.4356,
0.1951

77.3735, 0.3156,
0.3259

77.3735, 0.3156,
0.3259

64.8423, 0.3267,
0.3150

91.6891, 0.3065,
0.3361

54.0153, 0.3401,
0.3036

96.0533, 0.2993,
0.3290

44.8209, 0.3563,
0.2919

37.1787, 0.3756,
0.2805

■ 31.0014, 0.3982,
0.2702

■ 26.1930, 0.4239,
0.2619

■ 22.6456, 0.4521,
0.2571

■ 20.2352, 0.4814,
0.2570

■ 18.8118, 0.5099,
0.2623

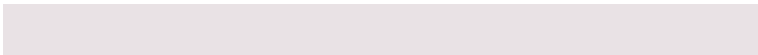
Harmonies

Analogous

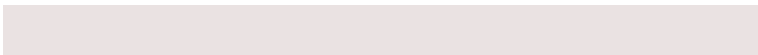
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.3735, 0.3121, 0.3238



77.3735, 0.3156, 0.3259



77.3735, 0.3183, 0.3288

Triad

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



77.3735, 0.3156, 0.3259



77.3735, 0.3166, 0.3350



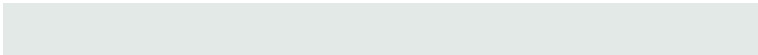
77.3735, 0.3060, 0.3261

Complementary

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



77.3735, 0.3156, 0.3259



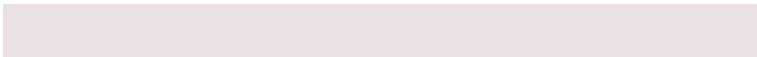
80.1270, 0.3099, 0.3321

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.



77.3735, 0.3072, 0.3292



77.3735, 0.3156, 0.3259



77.3735, 0.3133, 0.3343

Square

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



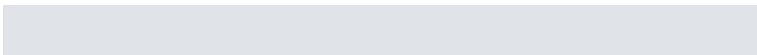
77.3735, 0.3156, 0.3259



77.3735, 0.3189, 0.3341



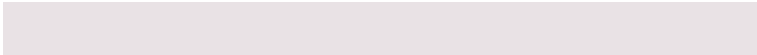
77.3735, 0.3098, 0.3322



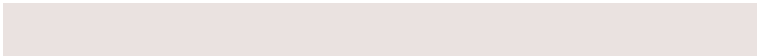
77.3735, 0.3066, 0.3239

Rectangle

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



77.3735, 0.3156, 0.3259



77.3735, 0.3193, 0.3309



77.3735, 0.3098, 0.3322



77.3735, 0.3062, 0.3271

Sweetspot

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



77.3768, 0.3156, 0.3259



98.2906, 0.3137, 0.3280



77.0996, 0.3110, 0.3218



21.0562, 0.3136, 0.3280



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

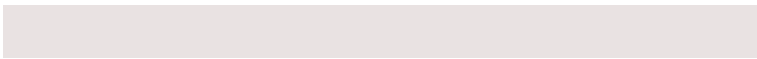
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.3768, 0.3156, 0.3259



93.2952, 0.3167, 0.3248



77.4631, 0.3175, 0.3295



16.4807, 0.3174, 0.3240



10.3786, 0.5250, 0.2666



0.8339, 0.4899, 0.2472

Inverse Universe

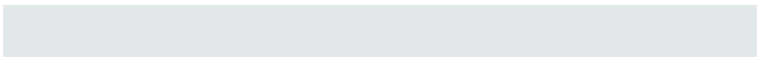
The Inverse Universe completely reimagines the original color for something new.



77.3768, 0.3156, 0.3259



93.2952, 0.3167, 0.3248



80.0351, 0.3081, 0.3285



16.4807, 0.3174, 0.3240



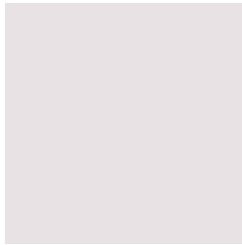
10.3786, 0.5250, 0.2666



0.8339, 0.4899, 0.2472

Previews

White Background



This preview shows how the Yxy color 77.3735, 0.3156, 0.3259 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 77.3735, 0.3156, 0.3259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

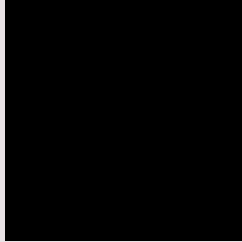
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

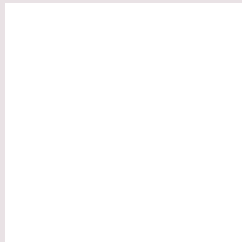
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.3735, 0.3156, 0.3259

Background



This preview shows how black text looks on a background with the Yxy color 77.3735, 0.3156, 0.3259.

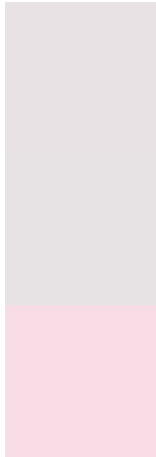


This preview shows how white text looks on a background with the Yxy color 77.3735, 0.3156, 0.3259.

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

77.3735, 0.3156, 0.3259

Protanopia

77.5842, 0.3142, 0.3269

Deuteranopia

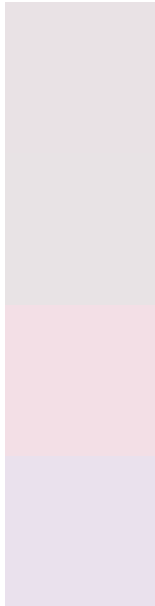
77.5658, 0.3267, 0.3199



Tritanopia

77.3843, 0.3087, 0.3105

Trichromacy



Original Color

77.3735, 0.3156, 0.3259

Protanomaly

77.7511, 0.3149, 0.3269

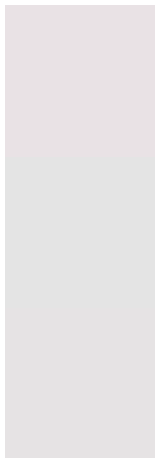
Deuteranomaly

77.5432, 0.3222, 0.3219

Tritanomaly

77.4573, 0.3112, 0.3166

Monochromacy



Original Color

77.3735, 0.3156, 0.3259

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.3626, 0.3141, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3735, 0.3156, 0.3259 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, 229) looks like.

```
.text, #text, p{  
    color:rgb(233, 226, 229)  
}
```

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, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 226, 229) }
```

Border

The CSS property to change the border of an element to Yxy 77.3735, 0.3156, 0.3259 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, 229) }
```

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

```
.border{ border-color:rgb(233, 226, 229) }
```

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, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 226, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 226, 229);  
box-shadow:4px 4px 4px 4px rgb(233, 226,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3735, 0.3156, 0.3259 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, 229) }
```

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

```
.background{ background-color: rgb(233,  
226, 229) }
```

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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