

Converting Colors

$Yxy(77.6168, 0.3077, 0.3189)$

Have a look what the booklet for
Yxy(77.6168, 0.3077, 0.3189)
contains.

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Color

Yxy(77.7106, 0.3077, 0.3186)

Conversions

Conversions Part 1

Format	Color
Hex	E5E3ED
RGB	229, 227, 237
RGB Percent	90%, 89%, 93%
CMY	0.1022, 0.1097, 0.0707
CMYK	0.03, 0.04, 0.00, 0.07
HSL	252°, 22%, 91%
HSV	252°, 4%, 93%
XYZ	75.0520, 77.7106, 91.1502
YIQ	228.7380, -2.0180, 3.5340

Conversions

Conversions Part 2

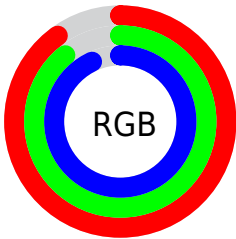
Format	Color
R _Y B	229, 227, 237
Decimal	15066093
CIE Lab	90.65, 2.46, -4.62
CIE LCh	91, 5.231, 298.009
Yxy	77.7106, 0.3077, 0.3186
Android (android.graphics.Color)	4293256173 (0xFFE5E3ED)
YUV	228.7380, 4.0732, 0.2298
Hunter-Lab	88.1536, -2.2981, 0.4021

Details

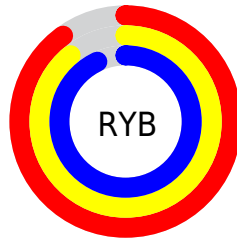
The Yxy color **77.7106, 0.3077, 0.3186** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **83.7790, 0.3176, 0.3393**, and the grayscale version is **78.1185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.8399, 0.3071, 0.3169** is the 20% darker color. If you saturate the color by 10%, you get **62.6532, 0.2945, 0.2917**, and if you desaturate by 10%, it is **94.9059, 0.3191, 0.3425**.

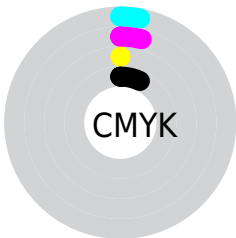
Distribution



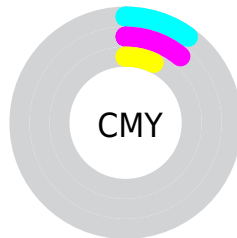
- Red (90%)
- Green (89%)
- Blue (93%)



- Red (90%)
- Yellow (89%)
- Blue (93%)



- Cyan (3%)
- Magenta (4%)
- Yellow (0%)
- Black (7%)



- Cyan (10%)
- Magenta (11%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.7106, 0.3077, 0.3186 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 77.7106, 0.3077, 0.3186 by changing the saturation by 10% instead.

■ 77.7106, 0.3077,
0.3186

■ 77.7106, 0.3077,
0.3186

487.1834, 0.3100,
0.3233

■ 57.8363, 0.3072,
0.3175

130.1421, 0.3085,
0.3202

■ 41.6770, 0.3065,
0.3162

163.4680, 0.3088,
0.3209

■ 28.8485, 0.3057,
0.3146

202.0466, 0.3091,
0.3214

■ 18.9662, 0.3047,
0.3125

246.2623, 0.3093,
0.3219

■ 11.6459, 0.3032,
0.3096

296.4994, 0.3095,
0.3223

■ 6.5030, 0.3012,
0.3055

353.1424, 0.3097,

■ 3.1533, 0.2980,

0.3227

0.2993

416.5756, 0.3099,
0.3230

■ 1.2123, 0.2924,
0.2887

■ 0.0717, 0.2133,
0.1194

■ 77.7106, 0.3077,
0.3186

■ 77.7106, 0.3077,
0.3186

■ 62.6532, 0.2945,
0.2917

■ 94.9059, 0.3191,
0.3425

■ 49.6400, 0.2794,
0.2620

■ 98.8934, 0.3232,
0.3464

■ 38.5852, 0.2625,
0.2298

■ 29.3930, 0.2442,
0.1962

■ 21.9595, 0.2251,
0.1625

■ 16.1706, 0.2062,
0.1309

■ 11.8981, 0.1888,
0.1036

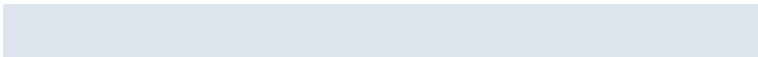
■ 8.9947, 0.1740,
0.0827

■ 7.2822, 0.1629,
0.0694

Harmonies

Analogous

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



77.7106, 0.3029, 0.3191



77.7106, 0.3077, 0.3186



77.7106, 0.3138, 0.3208

Triad

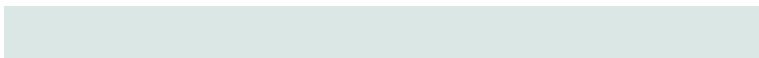
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.7106, 0.3077, 0.3186



77.7106, 0.3248, 0.3356



77.7106, 0.3057, 0.3329

Complementary

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



77.7106, 0.3077, 0.3186



83.7790, 0.3176, 0.3393

Split Complementary

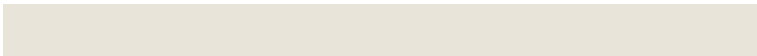
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.7106, 0.3115, 0.3374



77.7106, 0.3077, 0.3186



77.7106, 0.3226, 0.3390

Square

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



77.7106, 0.3077, 0.3186



77.7106, 0.3238, 0.3306



77.7106, 0.3177, 0.3397



77.7106, 0.3018, 0.3273

Rectangle

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



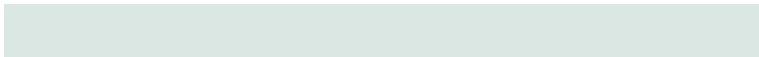
77.7106, 0.3077, 0.3186



77.7106, 0.3179, 0.3235



77.7106, 0.3177, 0.3397



77.7106, 0.3075, 0.3346

Sweetspot

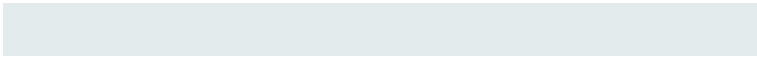
The Sweet Spot groups the original color and five complimentary colors.



77.7139, 0.3077, 0.3186



97.9953, 0.3115, 0.3266



81.9550, 0.3062, 0.3271



20.9962, 0.3116, 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.



77.7139, 0.3077, 0.3186



90.2326, 0.3067, 0.3165



78.5290, 0.3110, 0.3187



15.9196, 0.3059, 0.3148



3.6931, 0.1593, 0.0651



0.3287, 0.1716, 0.0719

Inverse Universe

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



78.9555, 0.3144, 0.3207



91.9761, 0.3148, 0.3191



82.9582, 0.3143, 0.3394



16.2709, 0.3151, 0.3178



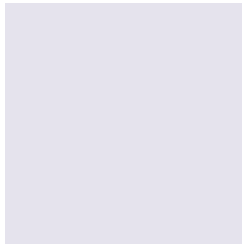
11.9111, 0.3764, 0.1847



0.9481, 0.3673, 0.1797

Previews

White Background



This preview shows how the Yxy color 77.7106, 0.3077, 0.3186 looks on a white background.

Color Contrast Check

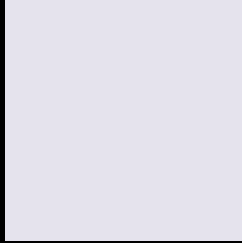
Large Text (above 18pt) WCAG AA × Fail

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 77.7106, 0.3077, 0.3186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

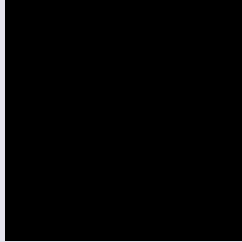
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

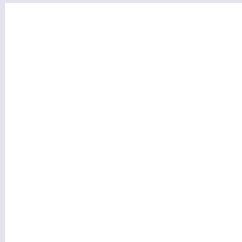
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.7106, 0.3077, 0.3186

Background



This preview shows how black text looks on a background with the Yxy color 77.7106, 0.3077, 0.3186.

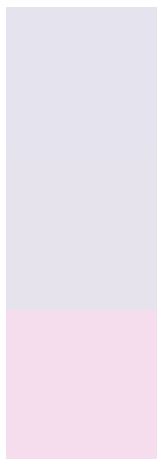


This preview shows how white text looks on a background with the Yxy color 77.7106, 0.3077, 0.3186.

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

77.7106, 0.3077, 0.3186

Protanopia

77.8756, 0.3084, 0.3186

Deuteranopia

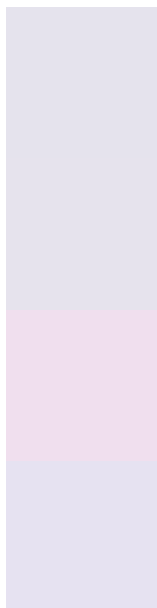
77.4788, 0.3192, 0.3119



Tritanopia

77.7474, 0.3040, 0.3104

Trichromacy



Original Color

77.7106, 0.3077, 0.3186

Protanomaly

77.8756, 0.3084, 0.3186

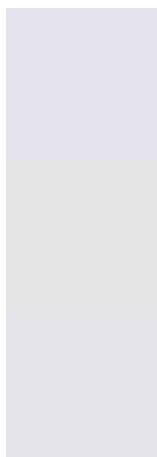
Deuteranomaly

77.4737, 0.3148, 0.3137

Tritanomaly

77.5666, 0.3059, 0.3134

Monochromacy



Original Color

77.7106, 0.3077, 0.3186

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

77.9710, 0.3109, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7106, 0.3077, 0.3186 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(229, 227, 237)` looks like.

```
.text, #text, p{  
    color:rgb(229, 227, 237)  
}
```

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(229, 227, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 227, 237) }
```

Border

The CSS property to change the border of an element to Yxy 77.7106, 0.3077, 0.3186 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(229, 227, 237) }
```

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

```
.border{ border-color:rgb(229, 227, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 227, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 227, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 227, 237);  
box-shadow:4px 4px 4px 4px rgb(229, 227,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7106, 0.3077, 0.3186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 227, 237) }
```

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

```
.background{ background-color: rgb(229,  
227, 237) }
```

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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