

Converting Colors

$Y_{xy}(77.7691, 0.3080, 0.3200)$

Have a look what the booklet for
Yxy(77.7691, 0.3080, 0.3200)
contains.

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Color

Yxy(77.4883, 0.3077, 0.3196)

Conversions

Conversions Part 1

Format	Color
Hex	E4E3EC
RGB	228, 227, 236
RGB Percent	89%, 89%, 93%
CMY	0.1058, 0.1098, 0.0746
CMYK	0.03, 0.04, 0.00, 0.07
HSL	247°, 19%, 91%
HSV	247°, 4%, 93%
XYZ	74.6031, 77.4883, 90.3626
YIQ	228.3250, -2.2930, 3.0110

Conversions

Conversions Part 2

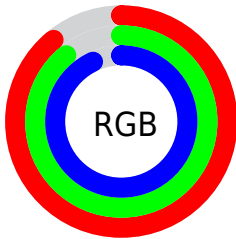
Format	Color
R_{YB}	228, 227, 236
Decimal	15000556
CIE Lab	90.55, 1.97, -4.25
CIE LCh	91, 4.684, 294.896
Yxy	77.4883, 0.3077, 0.3196
Android (android.graphics.Color)	4293190636 (0xFFE4E3EC)
YUV	228.3250, 3.7838, -0.2850
Hunter-Lab	88.0274, -2.7696, 0.7564

Details

The Yxy color **77.4883, 0.3077, 0.3196** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **83.1815, 0.3176, 0.3383**, and the grayscale version is **77.8083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.6846, 0.3070, 0.3182** is the 20% darker color. If you saturate the color by 10%, you get **62.2322, 0.2932, 0.2927**, and if you desaturate by 10%, it is **94.9357, 0.3203, 0.3434**.

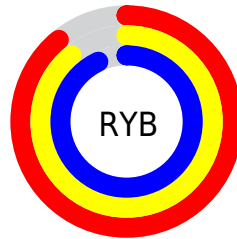
Distribution



Red (89%)

Green (89%)

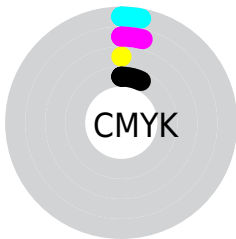
Blue (93%)



Red (89%)

Yellow (89%)

Blue (93%)

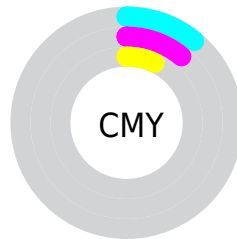


Cyan (3%)

Magenta (4%)

Yellow (0%)

Black (7%)



Cyan (11%)

Magenta (11%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.4883, 0.3077, 0.3196 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 77.4883, 0.3077, 0.3196 by changing the saturation by 10% instead.

■ 77.4883, 0.3077,
0.3196

■ 77.4883, 0.3077,
0.3196

486.4273, 0.3100,
0.3239

■ 57.6537, 0.3072,
0.3186

129.8285, 0.3085,
0.3211

■ 41.5303, 0.3065,
0.3174

163.1030, 0.3088,
0.3217

■ 28.7337, 0.3057,
0.3160

201.6262, 0.3091,
0.3222

■ 18.8795, 0.3047,
0.3140

245.7825, 0.3093,
0.3226

■ 11.5832, 0.3032,
0.3114

295.9564, 0.3095,
0.3230

■ 6.4606, 0.3012,
0.3077

352.5323, 0.3097,

■ 3.1271, 0.2980,

0.3233

415.8944, 0.3099,
0.3236

0.3020

■ 1.1984, 0.2924,
0.2923

■ 0.0604, 0.1996,
0.1143

■ 77.4883, 0.3077,
0.3196

■ 77.4883, 0.3077,
0.3196

■ 62.2322, 0.2932,
0.2927

■ 94.9357, 0.3203,
0.3434

■ 49.0712, 0.2766,
0.2626

■ 98.8348, 0.3238,
0.3474

■ 37.9165, 0.2583,
0.2299

■ 28.6693, 0.2386,
0.1954

■ 21.2223, 0.2183,
0.1608

■ 15.4576, 0.1987,
0.1283

■ 11.2430, 0.1810,
0.1004

■ 8.4264, 0.1669,
0.0794

■ 6.8246, 0.1572,
0.0664

Harmonies

Analogous

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



77.4883, 0.3036, 0.3203



77.4883, 0.3077, 0.3196



77.4883, 0.3131, 0.3213

Triad

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



77.4883, 0.3077, 0.3196



77.4883, 0.3236, 0.3345



77.4883, 0.3069, 0.3330

Complementary

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



77.4883, 0.3077, 0.3196



83.1815, 0.3176, 0.3383

Split Complementary

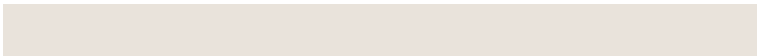
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.4883, 0.3122, 0.3369



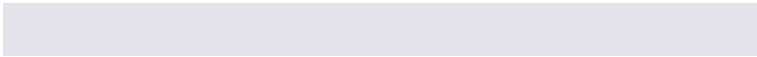
77.4883, 0.3077, 0.3196



77.4883, 0.3219, 0.3377

Square

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



77.4883, 0.3077, 0.3196



77.4883, 0.3223, 0.3299



77.4883, 0.3177, 0.3386



77.4883, 0.3032, 0.3280

Rectangle

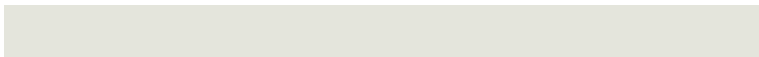
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.4883, 0.3077, 0.3196



77.4883, 0.3168, 0.3237



77.4883, 0.3177, 0.3386



77.4883, 0.3086, 0.3345

Sweetspot

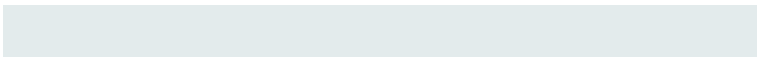
The Sweet Spot groups the original color and five complimentary colors.



77.4916, 0.3077, 0.3196



97.9567, 0.3114, 0.3266



81.8488, 0.3068, 0.3281



20.9883, 0.3115, 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.



77.4916, 0.3077, 0.3196



90.0483, 0.3060, 0.3165



78.2171, 0.3107, 0.3197



15.8826, 0.3051, 0.3148



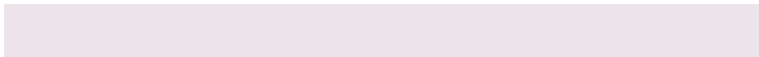
3.4895, 0.1540, 0.0622



0.3008, 0.1628, 0.0671

Inverse Universe

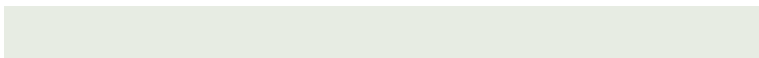
The Inverse Universe completely reimagines the original color for something new.



78.7669, 0.3138, 0.3208



92.0417, 0.3141, 0.3181



82.4453, 0.3147, 0.3383



16.2841, 0.3143, 0.3167



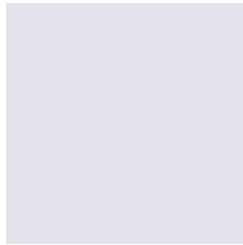
12.3963, 0.3512, 0.1708



0.9817, 0.3465, 0.1682

Previews

White Background



This preview shows how the Yxy color 77.4883, 0.3077, 0.3196 looks on a white background.

Color Contrast Check

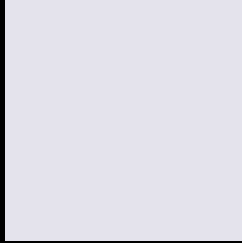
Large Text (above 18pt) WCAG AA × Fail

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 77.4883, 0.3077, 0.3196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

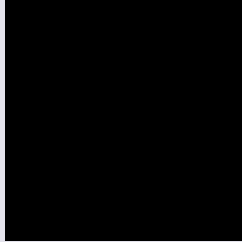
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

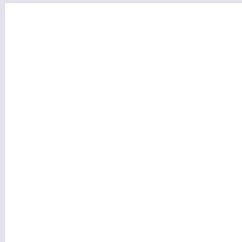
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.4883, 0.3077, 0.3196

Background



This preview shows how black text looks on a background with the Yxy color 77.4883, 0.3077, 0.3196.

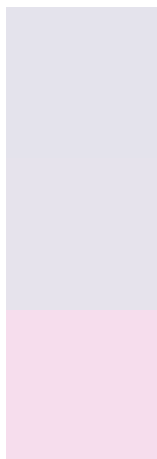


This preview shows how white text looks on a background with the Yxy color 77.4883, 0.3077, 0.3196.

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

77.4883, 0.3077, 0.3196

Protanopia

77.8173, 0.3090, 0.3196

Deuteranopia

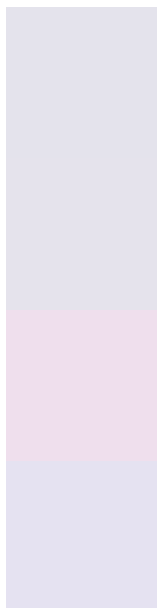
77.4202, 0.3198, 0.3129



Tritanopia

77.5824, 0.3034, 0.3103

Trichromacy



Original Color

77.4883, 0.3077, 0.3196

Protanomaly

77.6523, 0.3084, 0.3196

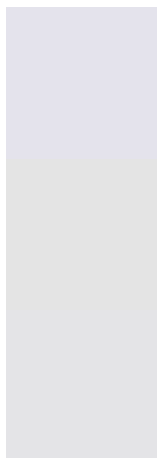
Deuteranomaly

77.2405, 0.3148, 0.3147

Tritanomaly

77.4016, 0.3052, 0.3134

Monochromacy



Original Color

77.4883, 0.3077, 0.3196

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.7503, 0.3108, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.4883, 0.3077, 0.3196 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(228, 227, 236)` looks like.

```
.text, #text, p{  
    color:rgb(228, 227, 236)  
}
```

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(228, 227, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 227, 236) }
```

Border

The CSS property to change the border of an element to Yxy 77.4883, 0.3077, 0.3196 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(228, 227, 236) }
```

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

```
.border{ border-color:rgb(228, 227, 236) }
```

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

Here you see how a box with a 4 pixel rgb(228, 227, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 227, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 227, 236);  
box-shadow:4px 4px 4px 4px rgb(228, 227,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 77.4883, 0.3077, 0.3196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 227, 236) }
```

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

```
.background{ background-color: rgb(228,  
227, 236) }
```

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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