

Converting Colors

$Y_{xy}(76.8552, 0.3093, 0.3191)$

Have a look what the booklet for
Yxy(76.8552, 0.3093, 0.3191)
contains.

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Color

Yxy(77.0489, 0.3090, 0.3196)

Conversions

Conversions Part 1

Format	Color
Hex	E5E2EB
RGB	229, 226, 235
RGB Percent	90%, 89%, 92%
CMY	0.1021, 0.1136, 0.0785
CMYK	0.03, 0.04, 0.00, 0.08
HSL	260°, 18%, 90%
HSV	260°, 4%, 92%
XYZ	74.4935, 77.0489, 89.5368
YIQ	227.9230, -1.1010, 3.4350

Conversions

Conversions Part 2

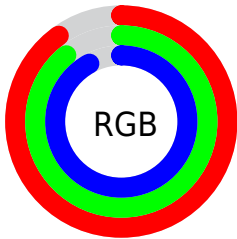
Format	Color
R _Y B	229, 226, 235
Decimal	15065835
CIE Lab	90.34, 2.62, -4.02
CIE LCh	90, 4.798, 303.033
Yxy	77.0489, 0.3090, 0.3196
Android (android.graphics.Color)	4293255915 (0xFFE5E2EB)
YUV	227.9230, 3.4890, 0.9445
Hunter-Lab	87.7775, -2.1244, 0.9659

Details

The Yxy color **77.0489, 0.3090, 0.3196** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **82.0701, 0.3163, 0.3383**, and the grayscale version is **77.4962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.3792, 0.3088, 0.3182** is the 20% darker color. If you saturate the color by 10%, you get **62.6522, 0.2982, 0.2932**, and if you desaturate by 10%, it is **93.4404, 0.3183, 0.3434**.

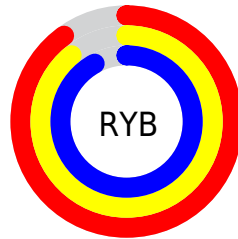
Distribution



Red (90%)

Green (89%)

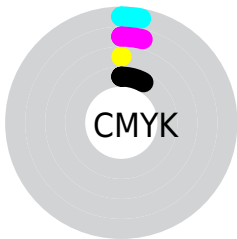
Blue (92%)



Red (90%)

Yellow (89%)

Blue (92%)

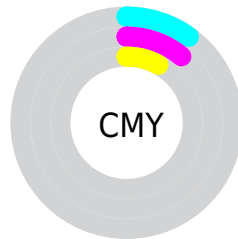


Cyan (3%)

Magenta (4%)

Yellow (0%)

Black (8%)



Cyan (10%)

Magenta (11%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.0489, 0.3090, 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 77.0489, 0.3090, 0.3196 by changing the saturation by 10% instead.

■ 77.0489, 0.3090,
0.3196

■ 77.0489, 0.3090,
0.3196

484.9307, 0.3107,
0.3239

■ 57.2930, 0.3086,
0.3186

129.2085, 0.3096,
0.3211

■ 41.2405, 0.3081,
0.3174

162.3810, 0.3098,
0.3217

■ 28.5071, 0.3075,
0.3160

200.7945, 0.3100,
0.3222

■ 18.7083, 0.3067,
0.3140

244.8334, 0.3102,
0.3226

■ 11.4597, 0.3056,
0.3114

294.8821, 0.3104,
0.3230

■ 6.3769, 0.3041,
0.3077

351.3249, 0.3105,

■ 3.0756, 0.3017,

0.3233

0.3020

414.5463, 0.3106,
0.3236

■ 1.1713, 0.2974,
0.2922

■ 0.0381, 0.2171,
0.0827

■ 77.0489, 0.3090,
0.3196

■ 77.0489, 0.3090,
0.3196

■ 62.6522, 0.2982,
0.2932

■ 93.4404, 0.3183,
0.3434

■ 50.1634, 0.2857,
0.2643

■ 98.7778, 0.3244,
0.3483

■ 39.5035, 0.2716,
0.2334

■ 30.5845, 0.2561,
0.2013

■ 23.3107, 0.2396,
0.1694

■ 17.5768, 0.2227,
0.1393

■ 13.2651, 0.2063,
0.1130

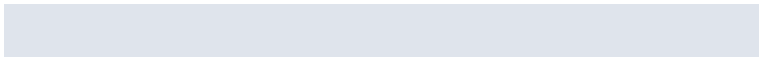
■ 10.2402, 0.1914,
0.0923

■ 8.3381, 0.1788,
0.0782

Harmonies

Analogous

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



77.0489, 0.3043, 0.3196



77.0489, 0.3090, 0.3196



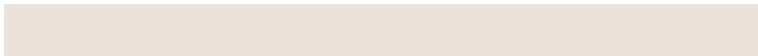
77.0489, 0.3147, 0.3220

Triad

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



77.0489, 0.3090, 0.3196



77.0489, 0.3237, 0.3357



77.0489, 0.3055, 0.3317

Complementary

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



77.0489, 0.3090, 0.3196



82.0701, 0.3163, 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.



77.0489, 0.3107, 0.3362



77.0489, 0.3090, 0.3196



77.0489, 0.3212, 0.3385

Square

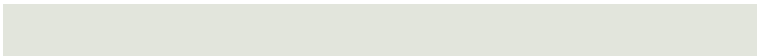
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.0489, 0.3090, 0.3196



77.0489, 0.3232, 0.3313



77.0489, 0.3164, 0.3386



77.0489, 0.3023, 0.3266

Rectangle

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



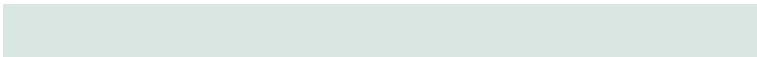
77.0489, 0.3090, 0.3196



77.0489, 0.3184, 0.3247



77.0489, 0.3164, 0.3386



77.0489, 0.3071, 0.3334

Sweetspot

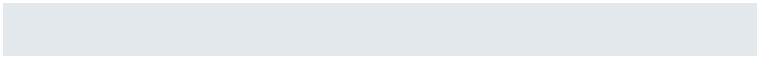
The Sweet Spot groups the original color and five complimentary colors.



77.0522, 0.3090, 0.3196



98.0599, 0.3118, 0.3266



79.9684, 0.3068, 0.3260



21.0093, 0.3118, 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.



77.0522, 0.3090, 0.3196



90.5428, 0.3078, 0.3166



77.7835, 0.3120, 0.3197



15.9819, 0.3071, 0.3149



4.2764, 0.1738, 0.0731



0.3863, 0.1889, 0.0814

Inverse Universe

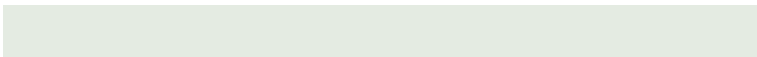
The Inverse Universe completely reimagines the original color for something new.



77.8938, 0.3150, 0.3228



91.8672, 0.3158, 0.3208



81.3442, 0.3134, 0.3384



16.2489, 0.3162, 0.3197



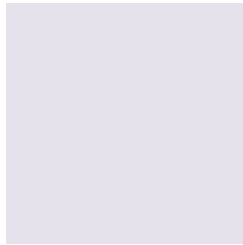
11.2294, 0.4249, 0.2114



0.8994, 0.4068, 0.2015

Previews

White Background



This preview shows how the Yxy color 77.0489, 0.3090, 0.3196 looks on a white background.

Color Contrast Check

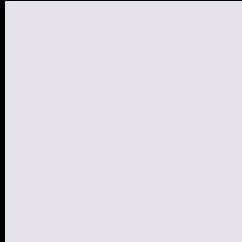
Large Text (above 18pt) WCAG AA × Fail

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 77.0489, 0.3090, 0.3196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

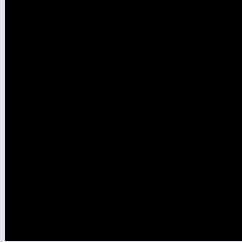
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

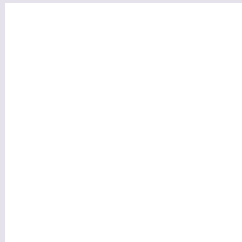
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.0489, 0.3090, 0.3196

Background



This preview shows how black text looks on a background with the Yxy color 77.0489, 0.3090, 0.3196.

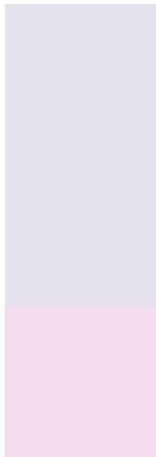


This preview shows how white text looks on a background with the Yxy color 77.0489, 0.3090, 0.3196.

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

77.0489, 0.3090, 0.3196

Protanopia

77.0489, 0.3090, 0.3196

Deuteranopia

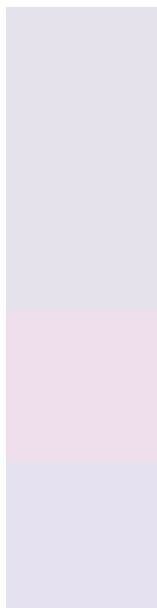
76.6550, 0.3199, 0.3128



Tritanopia

77.1445, 0.3047, 0.3103

Trichromacy



Original Color

77.0489, 0.3090, 0.3196

Protanomaly

77.0489, 0.3090, 0.3196

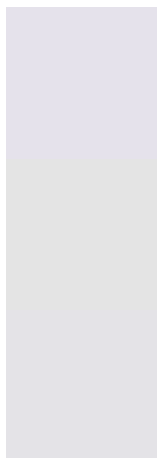
Deuteranomaly

76.6494, 0.3155, 0.3146

Tritanomaly

76.9647, 0.3066, 0.3134

Monochromacy



Original Color

77.0489, 0.3090, 0.3196

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.2017, 0.3108, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.0489, 0.3090, 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(229, 226, 235) looks like.

```
.text, #text, p{  
    color:rgb(229, 226, 235)  
}
```

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, 226, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 226, 235) }
```

Border

The CSS property to change the border of an element to Yxy 77.0489, 0.3090, 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(229, 226, 235) }
```

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

```
.border{ border-color:rgb(229, 226, 235) }
```

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

Here you see how a box with a 4 pixel rgb(229, 226, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 226, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 226, 235);  
box-shadow:4px 4px 4px 4px rgb(229, 226,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 77.0489, 0.3090, 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(229, 226, 235) }
```

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

```
.background{ background-color: rgb(229,  
226, 235) }
```

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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