

Converting Colors

$Yxy(77.8002, 0.3111, 0.3188)$

Have a look what the booklet for
Yxy(77.8002, 0.3111, 0.3188)
contains.

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Color

Yxy(77.7725, 0.3111, 0.3186)

Conversions

Conversions Part 1

Format	Color
Hex	E9E2EC
RGB	233, 226, 236
RGB Percent	91%, 89%, 93%
CMY	0.0863, 0.1137, 0.0744
CMYK	0.01, 0.04, 0.00, 0.07
HSL	282°, 21%, 91%
HSV	282°, 4%, 93%
XYZ	75.9417, 77.7725, 90.3928
YIQ	229.2330, 0.9620, 4.5940

Conversions

Conversions Part 2

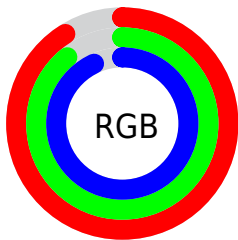
Format	Color
R_{YB}	233, 226, 236
Decimal	15327980
CIE _{Lab}	90.68, 4.15, -4.05
CIE _{LCh}	91, 5.798, 315.753
Yxy	77.7725, 0.3111, 0.3186
Android (android.graphics.Color)	4293518060 (0xFFE9E2EC)
YUV	229.2330, 3.3361, 3.3037
Hunter-Lab	88.1887, -0.6191, 0.9603

Details

The Yxy color **77.7725, 0.3111, 0.3186** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **82.1706, 0.3143, 0.3395**, and the grayscale version is **78.5117, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.7682, 0.3106, 0.3169** is the 20% darker color. If you saturate the color by 10%, you get **64.6269, 0.3068, 0.2930**, and if you desaturate by 10%, it is **92.7410, 0.3147, 0.3426**.

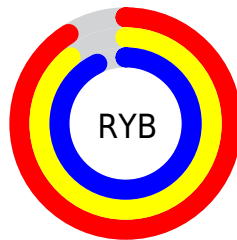
Distribution



Red (91%)

Green (89%)

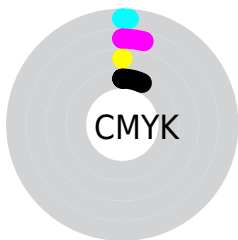
Blue (93%)



Red (91%)

Yellow (89%)

Blue (93%)

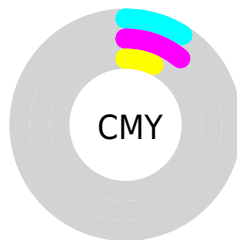


Cyan (1%)

Magenta (4%)

Yellow (0%)

Black (7%)



Cyan (9%)

Magenta (11%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.7725, 0.3111, 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 77.7725, 0.3111, 0.3186 by changing the saturation by 10% instead.

■ 77.7725, 0.3111,
0.3186

■ 77.7725, 0.3111,
0.3186

487.3939, 0.3119,
0.3233

■ 57.8871, 0.3109,
0.3175

130.2294, 0.3114,
0.3202

■ 41.7179, 0.3107,
0.3162

163.5696, 0.3115,
0.3209

■ 28.8805, 0.3104,
0.3146

202.1637, 0.3116,
0.3214

■ 18.9904, 0.3101,
0.3125

246.3958, 0.3116,
0.3219

■ 11.6634, 0.3096,
0.3096

296.6505, 0.3117,
0.3223

■ 6.5149, 0.3089,
0.3056

353.3122, 0.3118,

■ 3.1606, 0.3077,

0.3227

0.2995

416.7652, 0.3118,
0.3230

■ 1.2162, 0.3056,
0.2891

■ 0.0748, 0.2820,
0.1223

■ 77.7725, 0.3111,
0.3186

■ 77.7725, 0.3111,
0.3186

■ 64.6269, 0.3068,
0.2930

■ 92.7410, 0.3147,
0.3426

■ 53.2217, 0.3016,
0.2661

■ 97.4139, 0.3189,
0.3476

■ 43.4832, 0.2956,
0.2385

■ 98.7460, 0.3235,
0.3473

■ 35.3282, 0.2888,
0.2112

■ 98.8383, 0.3238,
0.3473

■ 28.6663, 0.2813,
0.1851

■ 23.3978, 0.2733,
0.1616

■ 19.4105, 0.2650,
0.1418

■ 16.5745, 0.2567,
0.1265

■ 14.7311, 0.2486,
0.1161

Harmonies

Analogous

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



77.7725, 0.3047, 0.3173



77.7725, 0.3111, 0.3186



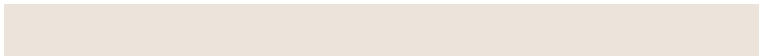
77.7725, 0.3180, 0.3226

Triad

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



77.7725, 0.3111, 0.3186



77.7725, 0.3250, 0.3388



77.7725, 0.3021, 0.3297

Complementary

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



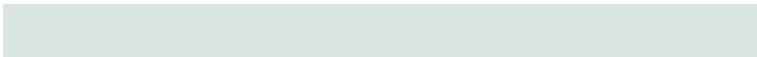
77.7725, 0.3111, 0.3186



82.1706, 0.3143, 0.3395

Split Complementary

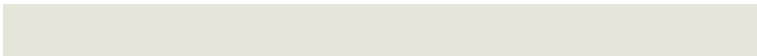
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.7725, 0.3074, 0.3356



77.7725, 0.3111, 0.3186



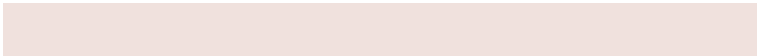
77.7725, 0.3207, 0.3409

Square

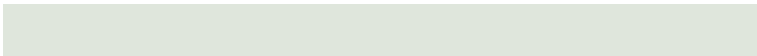
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.7725, 0.3111, 0.3186



77.7725, 0.3261, 0.3342



77.7725, 0.3142, 0.3397



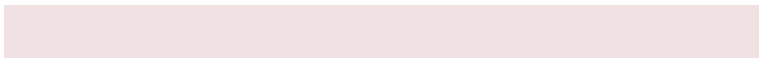
77.7725, 0.2996, 0.3236

Rectangle

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



77.7725, 0.3111, 0.3186



77.7725, 0.3219, 0.3262



77.7725, 0.3142, 0.3397



77.7725, 0.3036, 0.3317

Sweetspot

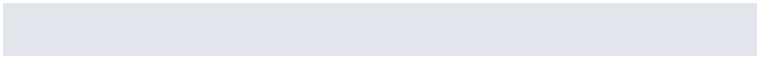
The Sweet Spot groups the original color and five complimentary colors.



77.7758, 0.3111, 0.3186



98.2371, 0.3123, 0.3266



78.3677, 0.3063, 0.3218



21.0454, 0.3124, 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.



77.7758, 0.3111, 0.3186



91.4055, 0.3108, 0.3167



78.1871, 0.3144, 0.3206



16.1556, 0.3105, 0.3150



7.7750, 0.2454, 0.1126



0.6605, 0.2561, 0.1185

Inverse Universe

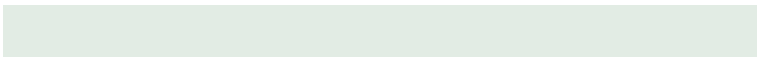
The Inverse Universe completely reimagines the original color for something new.



77.8954, 0.3177, 0.3259



91.5747, 0.3187, 0.3253



81.7747, 0.3111, 0.3376



16.1900, 0.3195, 0.3248



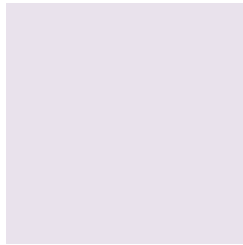
10.1060, 0.5745, 0.2938



0.8101, 0.5351, 0.2722

Previews

White Background



This preview shows how the Yxy color 77.7725, 0.3111, 0.3186 looks on a white background.

Color Contrast Check

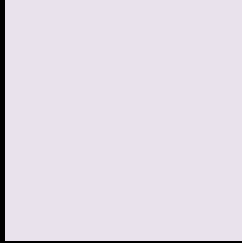
Large Text (above 18pt) WCAG AA × Fail

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 77.7725, 0.3111, 0.3186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

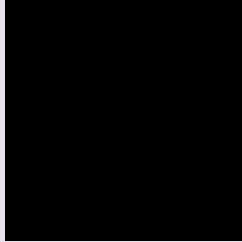
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

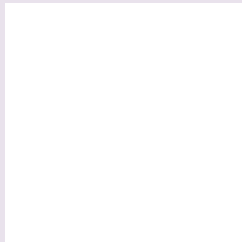
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.7725, 0.3111, 0.3186

Background



This preview shows how black text looks on a background with the Yxy color 77.7725, 0.3111, 0.3186.

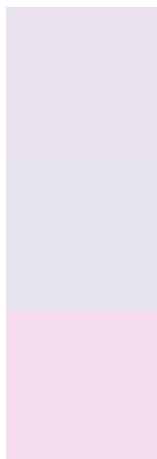


This preview shows how white text looks on a background with the Yxy color 77.7725, 0.3111, 0.3186.

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

77.7725, 0.3111, 0.3186

Protanopia

77.8756, 0.3084, 0.3186

Deuteranopia

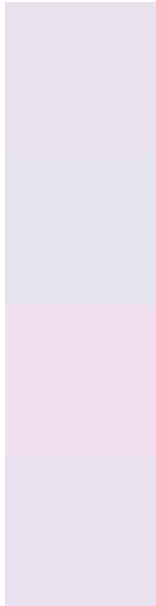
77.4202, 0.3198, 0.3129



Tritanopia

77.8139, 0.3074, 0.3105

Trichromacy



Original Color

77.7725, 0.3111, 0.3186

Protanomaly

78.0415, 0.3091, 0.3186

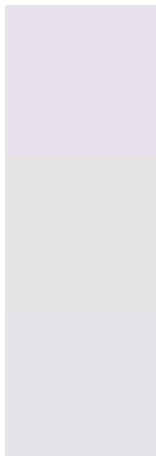
Deuteranomaly

77.5905, 0.3162, 0.3147

Tritanomaly

77.6341, 0.3093, 0.3135

Monochromacy



Original Color

77.7725, 0.3111, 0.3186

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.1360, 0.3115, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7725, 0.3111, 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(233, 226, 236)` looks like.

```
.text, #text, p{  
    color:rgb(233, 226, 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(233, 226, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 226, 236) }
```

Border

The CSS property to change the border of an element to Yxy 77.7725, 0.3111, 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(233, 226, 236) }
```

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

```
.border{ border-color:rgb(233, 226, 236) }
```

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, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 226, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 226, 236);  
box-shadow:4px 4px 4px 4px rgb(233, 226,  
236) }
```


Background

The CSS property to change the background color of an element to $Yxy\ 77.7725, 0.3111, 0.3186$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 226, 236) }
```

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

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