

Converting Colors

$Y_{xy}(77.8225, 0.3124, 0.3240)$

Have a look what the booklet for
Yxy(77.8225, 0.3124, 0.3240)
contains.

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Color

Yxy(77.7533, 0.3123, 0.3238)

Conversions

Conversions Part 1

Format	Color
Hex	E7E3E8
RGB	231, 227, 232
RGB Percent	91%, 89%, 91%
CMY	0.0940, 0.1098, 0.0903
CMYK	0.00, 0.02, 0.00, 0.09
HSL	288°, 10%, 90%
HSV	288°, 2%, 91%
XYZ	74.9918, 77.7533, 87.3824
YIQ	228.7660, 0.7790, 2.4030

Conversions

Conversions Part 2

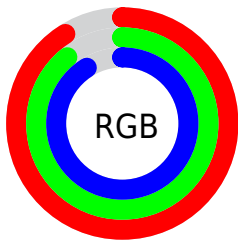
Format	Color
R _Y B	231, 227, 232
Decimal	15197160
CIE Lab	90.67, 2.25, -1.95
CIE LCh	91, 2.977, 319.062
Yxy	77.7533, 0.3123, 0.3238
Android (android.graphics.Color)	4293387240 (0xFFE7E3E8)
YUV	228.7660, 1.5944, 1.9592
Hunter-Lab	88.1778, -2.5039, 2.9693

Details

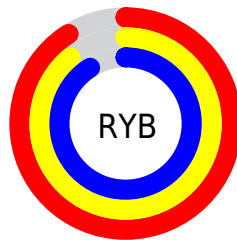
The Yxy color **77.7533, 0.3123, 0.3238** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79.7347, 0.3131, 0.3342**, and the grayscale version is **78.1645, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.7536, 0.3121, 0.3236** is the 20% darker color. If you saturate the color by 10%, you get **65.1771, 0.3101, 0.2987**, and if you desaturate by 10%, it is **92.0648, 0.3141, 0.3474**.

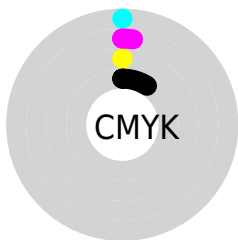
Distribution



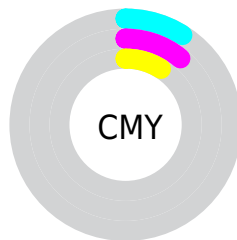
- Red (91%)
- Green (89%)
- Blue (91%)



- Red (91%)
- Yellow (89%)
- Blue (91%)



- Cyan (0%)
- Magenta (2%)
- Yellow (0%)
- Black (9%)



- Cyan (9%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.7533, 0.3123, 0.3238 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 77.7533, 0.3123, 0.3238 by changing the saturation by 10% instead.

■ 77.7533, 0.3123,
0.3238

■ 77.7533, 0.3123,
0.3238

487.3286, 0.3125,
0.3262

■ 57.8713, 0.3123,
0.3233

130.2023, 0.3124,
0.3246

■ 41.7052, 0.3122,
0.3226

163.5381, 0.3124,
0.3249

■ 28.8705, 0.3121,
0.3218

202.1274, 0.3124,
0.3252

■ 18.9829, 0.3120,
0.3207

246.3544, 0.3124,
0.3255

■ 11.6579, 0.3119,
0.3193

296.6037, 0.3125,
0.3257

■ 6.5112, 0.3117,
0.3172

353.2595, 0.3125,

■ 3.1583, 0.3114,

0.3259

0.3140

416.7064, 0.3125,
0.3260

■ 1.2150, 0.3108,
0.3086

■ 0.0739, 0.3009,
0.1777

■ 77.7533, 0.3123,
0.3238

■ 77.7533, 0.3123,
0.3238

■ 65.1771, 0.3101,
0.2987

■ 92.0648, 0.3141,
0.3474

■ 54.2581, 0.3073,
0.2727

■ 95.8604, 0.3166,
0.3519

■ 44.9270, 0.3041,
0.2462

■ 96.6506, 0.3194,
0.3517

■ 37.1061, 0.3003,
0.2202

■ 97.4601, 0.3223,
0.3515

■ 30.7106, 0.2960,
0.1956

■ 98.2890, 0.3251,
0.3514

■ 25.6475, 0.2913,
0.1737

■ 98.6050, 0.3262,
0.3513

■ 21.8128, 0.2862,
0.1553

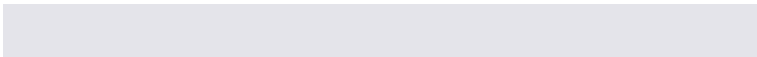
■ 19.0866, 0.2811,
0.1413

■ 17.3246, 0.2759,
0.1319

Harmonies

Analogous

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



77.7533, 0.3089, 0.3230



77.7533, 0.3123, 0.3238



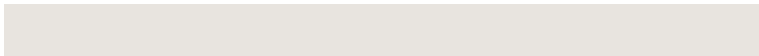
77.7533, 0.3158, 0.3260

Triad

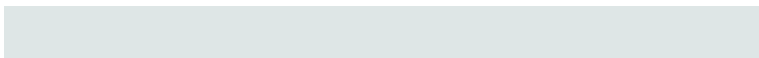
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.7533, 0.3123, 0.3238



77.7533, 0.3189, 0.3343



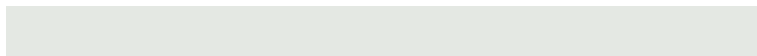
77.7533, 0.3070, 0.3290

Complementary

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



77.7533, 0.3123, 0.3238



79.7347, 0.3131, 0.3342

Split Complementary

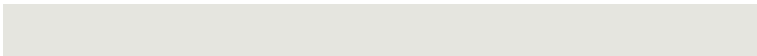
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.7533, 0.3097, 0.3321



77.7533, 0.3123, 0.3238



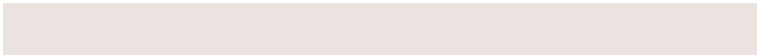
77.7533, 0.3165, 0.3351

Square

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



77.7533, 0.3123, 0.3238



77.7533, 0.3196, 0.3320



77.7533, 0.3131, 0.3343



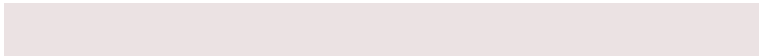
77.7533, 0.3059, 0.3260

Rectangle

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



77.7533, 0.3123, 0.3238



77.7533, 0.3177, 0.3279



77.7533, 0.3131, 0.3343



77.7533, 0.3078, 0.3301

Sweetspot

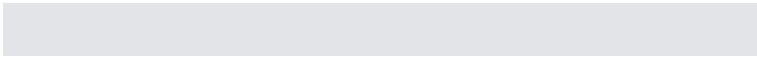
The Sweet Spot groups the original color and five complimentary colors.



77.7566, 0.3123, 0.3238



98.2909, 0.3125, 0.3266



77.6414, 0.3095, 0.3248



21.0563, 0.3125, 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.



77.7566, 0.3123, 0.3238



94.9379, 0.3121, 0.3217



77.8319, 0.3139, 0.3254



15.9870, 0.3120, 0.3198



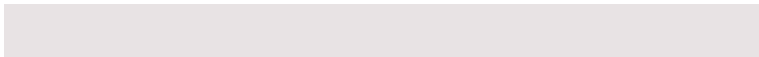
9.1794, 0.2728, 0.1276



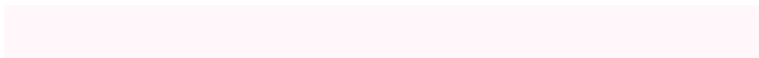
0.7144, 0.2802, 0.1317

Inverse Universe

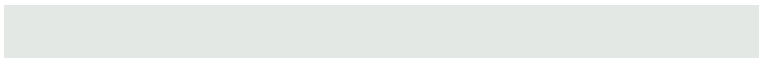
The Inverse Universe completely reimagines the original color for something new.



77.6905, 0.3155, 0.3280



94.8242, 0.3167, 0.3276



79.6615, 0.3115, 0.3327



15.9630, 0.3178, 0.3272



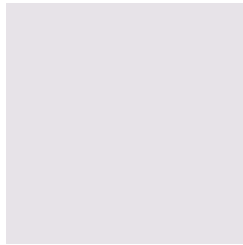
9.6416, 0.6090, 0.3128



0.7253, 0.5696, 0.2912

Previews

White Background



This preview shows how the Yxy color 77.7533, 0.3123, 0.3238 looks on a white background.

Color Contrast Check

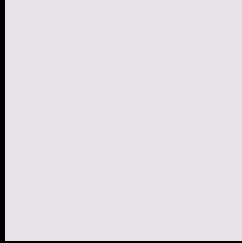
Large Text (above 18pt) WCAG AA × Fail

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 77.7533, 0.3123, 0.3238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

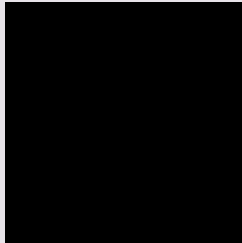
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

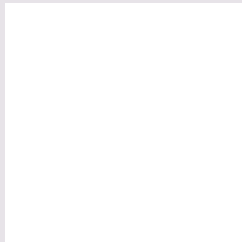
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.7533, 0.3123, 0.3238

Background



This preview shows how black text looks on a background with the Yxy color 77.7533, 0.3123, 0.3238.

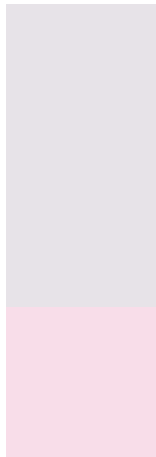


This preview shows how white text looks on a background with the Yxy color 77.7533, 0.3123, 0.3238.

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

77.7533, 0.3123, 0.3238

Protanopia

77.7533, 0.3123, 0.3238

Deuteranopia

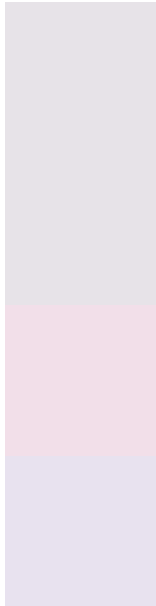
77.5526, 0.3240, 0.3169



Tritanopia

77.6451, 0.3067, 0.3105

Trichromacy



Original Color

77.7533, 0.3123, 0.3238

Protanomaly

77.7533, 0.3123, 0.3238

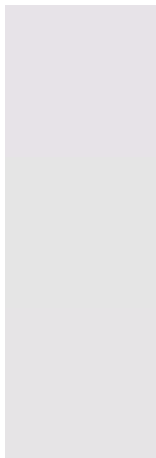
Deuteranomaly

77.5358, 0.3195, 0.3188

Tritanomaly

77.7805, 0.3085, 0.3155

Monochromacy



Original Color

77.7533, 0.3123, 0.3238

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.0230, 0.3128, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7533, 0.3123, 0.3238 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(231, 227, 232)` looks like.

```
.text, #text, p{  
    color:rgb(231, 227, 232)  
}
```

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(231, 227, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 227, 232) }
```

Border

The CSS property to change the border of an element to Yxy 77.7533, 0.3123, 0.3238 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(231, 227, 232) }
```

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

```
.border{ border-color:rgb(231, 227, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 227, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 227, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 227, 232);  
box-shadow:4px 4px 4px 4px rgb(231, 227,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7533, 0.3123, 0.3238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 227, 232) }
```

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

```
.background{ background-color: rgb(231,  
227, 232) }
```

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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