

Converting Colors

$Y_{xy}(77.9516, 0.3184, 0.3310)$

Have a look what the booklet for
Yxy(77.9516, 0.3184, 0.3310)
contains.

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Color

Yxy(77.8668, 0.3189, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	EAE3E1
RGB	234, 227, 225
RGB Percent	92%, 89%, 88%
CMY	0.0822, 0.1098, 0.1176
CMYK	0.00, 0.03, 0.04, 0.08
HSL	13°, 18%, 90%
HSV	13°, 4%, 92%
XYZ	74.9977, 77.8668, 82.3116
YIQ	228.8650, 4.8140, 0.8620

Conversions

Conversions Part 2

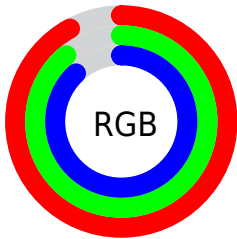
Format	Color
R _Y B	234, 228, 225
Decimal	15393761
CIE Lab	90.72, 2.04, 1.81
CIE LCh	91, 2.722, 41.559
Yxy	77.8668, 0.3189, 0.3311
Android (android.graphics.Color)	4293583841 (0xFFEAE3E1)
YUV	228.8650, -1.9054, 4.5034
Hunter-Lab	88.2422, -2.7154, 6.4643

Details

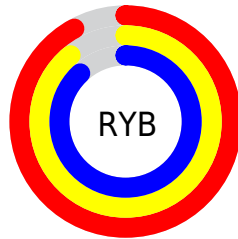
The Yxy color **77.8668, 0.3189, 0.3311** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79.6810, 0.3068, 0.3269**, and the grayscale version is **78.2663, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.8723, 0.3198, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **67.2300, 0.3372, 0.3368**, and if you desaturate by 10%, it is **89.7411, 0.3037, 0.3258**.

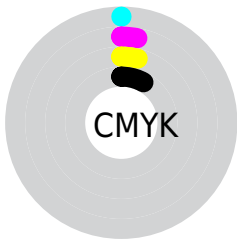
Distribution



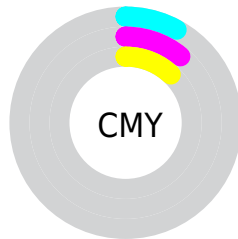
- Red (92%)
- Green (89%)
- Blue (88%)



- Red (92%)
- Yellow (89%)
- Blue (88%)



- Cyan (0%)
- Magenta (3%)
- Yellow (4%)
- Black (8%)





- Cyan (8%)
- Magenta (11%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.8668, 0.3189, 0.3311 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 77.8668, 0.3189, 0.3311 by changing the saturation by 10% instead.


 77.8668, 0.3189,
0.3311

 77.8668, 0.3189,
0.3311


487.7143, 0.3161,
0.3302

 57.9646, 0.3195,
0.3313


130.3623, 0.3179,
0.3308

 41.7802, 0.3203,
0.3316


163.7244, 0.3175,
0.3306

 28.9292, 0.3213,
0.3319


202.3419, 0.3172,
0.3305

 19.0273, 0.3226,
0.3323

246.5992, 0.3169,
0.3304

 11.6900, 0.3244,
0.3329

296.8807, 0.3167,
0.3304

 6.5329, 0.3269,
0.3337

353.5708, 0.3165,

 3.1718, 0.3308,

0.3303

0.3349

417.0539, 0.3163,
0.3302

■ 1.2221, 0.3376,
0.3370

■ 0.0796, 0.6117,
0.3883

■ 77.8668, 0.3189,
0.3311

■ 77.8668, 0.3189,
0.3311

■ 67.2300, 0.3372,
0.3368

■ 89.7411, 0.3037,
0.3258

■ 57.7808, 0.3592,
0.3429

■ 96.2370, 0.3000,
0.3290

■ 49.4806, 0.3856,
0.3491

■ 42.2852, 0.4168,
0.3551

■ 36.1470, 0.4527,
0.3602

■ 31.0154, 0.4924,
0.3636

■ 26.8352, 0.5333,
0.3643

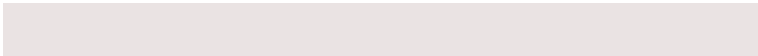
■ 23.5456, 0.5713,
0.3612

■ 21.0782, 0.6018,
0.3543

Harmonies

Analogous

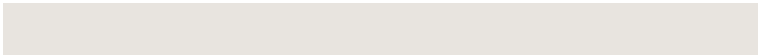
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8668, 0.3175, 0.3283



77.8668, 0.3189, 0.3311



77.8668, 0.3187, 0.3334

Triad

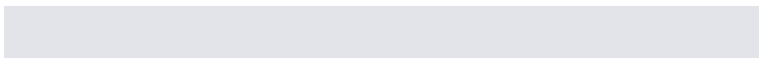
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8668, 0.3189, 0.3311



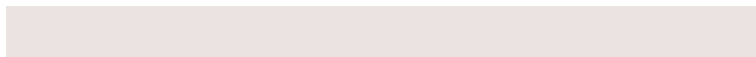
77.8668, 0.3107, 0.3324



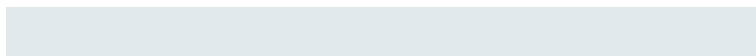
77.8668, 0.3086, 0.3235

Complementary

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



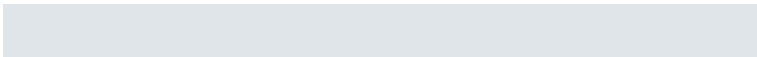
77.8668, 0.3189, 0.3311



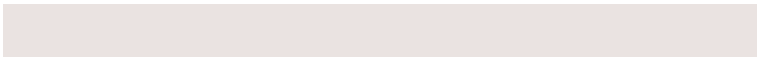
79.6810, 0.3068, 0.3269

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.



77.8668, 0.3068, 0.3246



77.8668, 0.3189, 0.3311



77.8668, 0.3080, 0.3298

Square

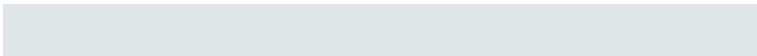
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.8668, 0.3189, 0.3311



77.8668, 0.3139, 0.3342



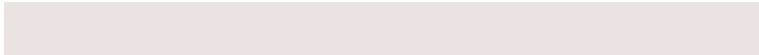
77.8668, 0.3066, 0.3269



77.8668, 0.3115, 0.3239

Rectangle

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



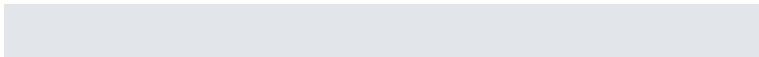
77.8668, 0.3189, 0.3311



77.8668, 0.3176, 0.3343



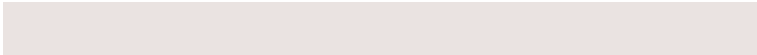
77.8668, 0.3066, 0.3269



77.8668, 0.3079, 0.3238

Sweetspot

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



77.8702, 0.3189, 0.3311



98.5761, 0.3143, 0.3295



77.1789, 0.3144, 0.3217



21.1144, 0.3142, 0.3295



0.0000, 0.0000, 0.0000



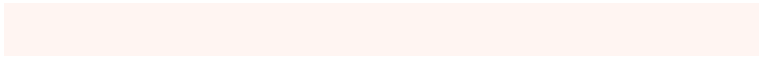
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8702, 0.3189, 0.3311



93.0324, 0.3209, 0.3318



80.3486, 0.3186, 0.3357



16.4825, 0.3220, 0.3321



11.3494, 0.6134, 0.3511



1.0309, 0.5871, 0.3720

Inverse Universe

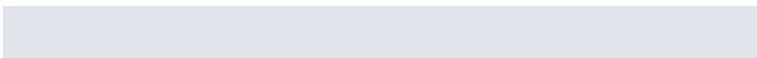
The Inverse Universe completely reimagines the original color for something new.



79.6810, 0.3068, 0.3269



95.8761, 0.3050, 0.3262



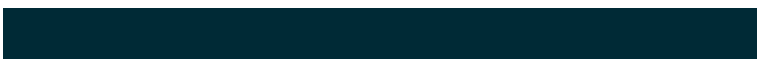
77.1946, 0.3069, 0.3222



17.0551, 0.3039, 0.3259



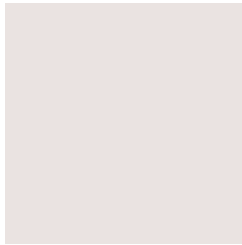
22.3941, 0.2045, 0.2563



1.8976, 0.2076, 0.2675

Previews

White Background



This preview shows how the Yxy color 77.8668, 0.3189, 0.3311 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 77.8668, 0.3189, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

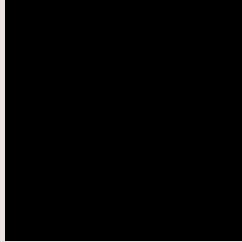
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

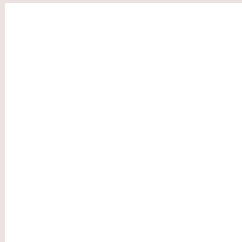
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.8668, 0.3189, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 77.8668, 0.3189, 0.3311.

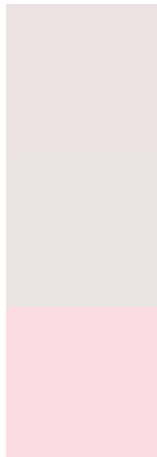


This preview shows how white text looks on a background with the Yxy color 77.8668, 0.3189, 0.3311.

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

77.8668, 0.3189, 0.3311

Protanopia

77.6981, 0.3182, 0.3311

Deuteranopia

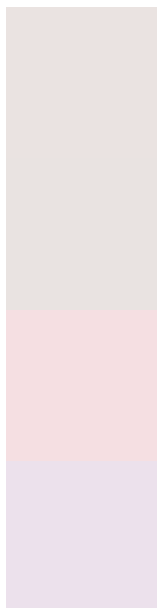
77.7131, 0.3309, 0.3240



Tritanopia

77.7266, 0.3101, 0.3106

Trichromacy



Original Color

77.8668, 0.3189, 0.3311

Protanomaly

77.6981, 0.3182, 0.3311

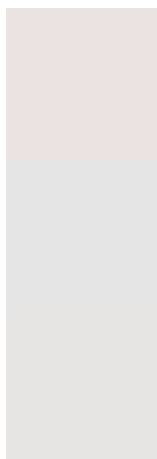
Deuteranomaly

77.6788, 0.3264, 0.3260

Tritanomaly

77.7394, 0.3132, 0.3177

Monochromacy



Original Color

77.8668, 0.3189, 0.3311

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.0772, 0.3148, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8668, 0.3189, 0.3311 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(234, 227, 225)` looks like.

```
.text, #text, p{  
    color:rgb(234, 227, 225)  
}
```

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(234, 227, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 227, 225) }
```

Border

The CSS property to change the border of an element to Yxy 77.8668, 0.3189, 0.3311 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(234, 227, 225) }
```

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

```
.border{ border-color:rgb(234, 227, 225) }
```

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

Here you see how a box with a 4 pixel rgb(234, 227, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 227, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 227, 225);  
box-shadow:4px 4px 4px 4px rgb(234, 227,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8668, 0.3189, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 227, 225) }
```

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

```
.background{ background-color: rgb(234,  
227, 225) }
```

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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