

Converting Colors

$Yxy(77.7868, 0.3162, 0.3313)$

Have a look what the booklet for
Yxy(77.7868, 0.3162, 0.3313)
contains.

Yxy(77.9667, 0.3161, 0.3311)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.9667, 0.3161, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	E7E4E2
RGB	231, 228, 226
RGB Percent	91%, 89%, 89%
CMY	0.0940, 0.1059, 0.1137
CMYK	0.00, 0.01, 0.02, 0.09
HSL	24°, 10%, 90%
HSV	24°, 2%, 91%
XYZ	74.4345, 77.9667, 83.0766
YIQ	228.6690, 2.4300, 0.0140

Conversions

Conversions Part 2

Format	Color
R _Y B	231, 229, 226
Decimal	15197410
CIE Lab	90.76, 0.68, 1.32
CIE LCh	91, 1.487, 62.742
Yxy	77.9667, 0.3161, 0.3311
Android (android.graphics.Color)	4293387490 (0xFFE7E4E2)
YUV	228.6690, -1.3158, 2.0443
Hunter-Lab	88.2988, -4.0500, 6.0257

Details

The Yxy color **77.9667, 0.3161, 0.3311** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **78.0035, 0.3094, 0.3269**, and the grayscale version is **78.1128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.9414, 0.3162, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **69.4135, 0.3332, 0.3412**, and if you desaturate by 10%, it is **87.3176, 0.3015, 0.3217**.

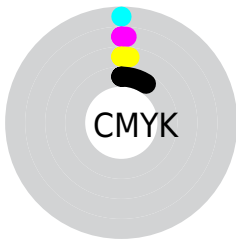
Distribution



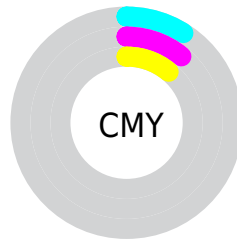
- Red (91%)
- Green (89%)
- Blue (89%)



- Red (91%)
- Yellow (90%)
- Blue (89%)



- Cyan (0%)
- Magenta (1%)
- Yellow (2%)
- Black (9%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.9667, 0.3161, 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 77.9667, 0.3161, 0.3311 by changing the saturation by 10% instead.

■ 77.9667, 0.3161,
0.3311

■ 77.9667, 0.3161,
0.3311

488.0537, 0.3146,
0.3302

■ 58.0466, 0.3164,
0.3313

130.5032, 0.3156,
0.3308

■ 41.8461, 0.3169,
0.3316

163.8884, 0.3154,
0.3306

■ 28.9808, 0.3174,
0.3319

202.5307, 0.3152,
0.3305

■ 19.0663, 0.3181,
0.3323

246.8146, 0.3150,
0.3304

■ 11.7182, 0.3191,
0.3329

297.1245, 0.3149,
0.3304

■ 6.5521, 0.3204,
0.3337

353.8447, 0.3148,

■ 3.1836, 0.3226,

0.3303

417.3596, 0.3147,
0.3302

0.3350

1.2283, 0.3262,
0.3372

0.0847, 0.5342,
0.4658

77.9667, 0.3161,
0.3311

77.9667, 0.3161,
0.3311

69.4135, 0.3332,
0.3412

87.3176, 0.3015,
0.3217

61.6266, 0.3531,
0.3518

95.7353, 0.2982,
0.3290

54.5869, 0.3761,
0.3627

48.2711, 0.4024,
0.3734

■ 42.6542, 0.4318,
0.3832

■ 37.7099, 0.4636,
0.3910

■ 33.4097, 0.4963,
0.3956

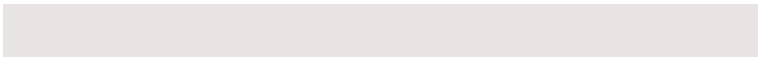
■ 29.7227, 0.5278,
0.3956

■ 26.6143, 0.5552,
0.3903

Harmonies

Analogous

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



77.9667, 0.3160, 0.3297



77.9667, 0.3161, 0.3311



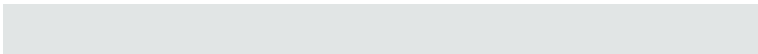
77.9667, 0.3153, 0.3319

Triad

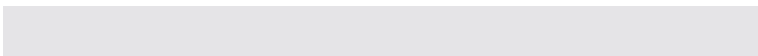
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.9667, 0.3161, 0.3311



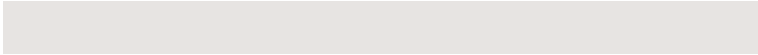
77.9667, 0.3105, 0.3299



77.9667, 0.3116, 0.3261

Complementary

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



77.9667, 0.3161, 0.3311



78.0035, 0.3094, 0.3269

Split Complementary

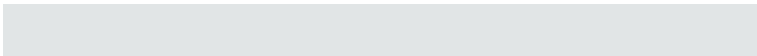
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.9667, 0.3101, 0.3261



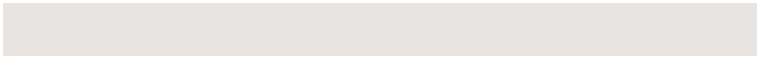
77.9667, 0.3161, 0.3311



77.9667, 0.3095, 0.3283

Square

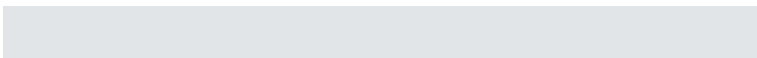
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.9667, 0.3161, 0.3311



77.9667, 0.3121, 0.3312



77.9667, 0.3094, 0.3269



77.9667, 0.3133, 0.3268

Rectangle

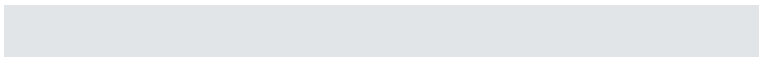
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



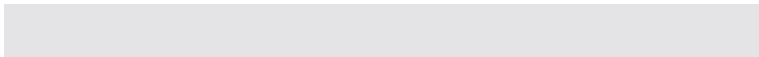
77.9667, 0.3161, 0.3311



77.9667, 0.3144, 0.3321



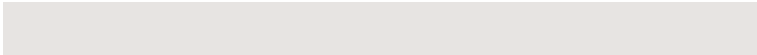
77.9667, 0.3094, 0.3269



77.9667, 0.3110, 0.3260

Sweetspot

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



77.9701, 0.3161, 0.3311



98.8578, 0.3143, 0.3300



77.0513, 0.3142, 0.3257



21.1717, 0.3142, 0.3299



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

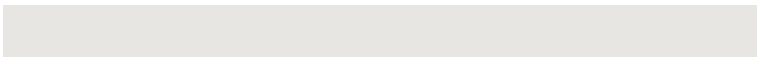
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.9701, 0.3161, 0.3311



96.6035, 0.3174, 0.3319



79.3309, 0.3159, 0.3337



16.3404, 0.3187, 0.3327



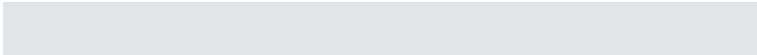
13.9871, 0.5704, 0.3853



1.2108, 0.5436, 0.4066

Inverse Universe

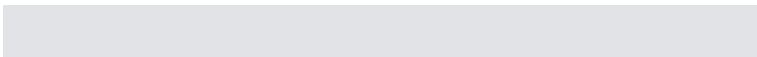
The Inverse Universe completely reimagines the original color for something new.



78.0035, 0.3094, 0.3269



96.6610, 0.3081, 0.3261



76.6536, 0.3095, 0.3243



16.3527, 0.3069, 0.3253



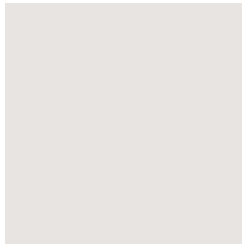
13.9266, 0.1873, 0.1942



1.2092, 0.1933, 0.2159

Previews

White Background



This preview shows how the Yxy color 77.9667, 0.3161, 0.3311 looks on a white background.

Color Contrast Check

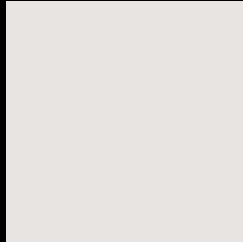
Large Text (above 18pt) WCAG AA × Fail

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 77.9667, 0.3161, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

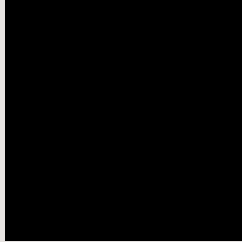
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

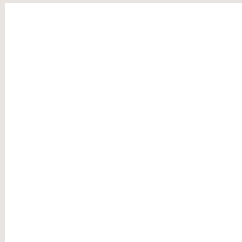
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.9667, 0.3161, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 77.9667, 0.3161, 0.3311.

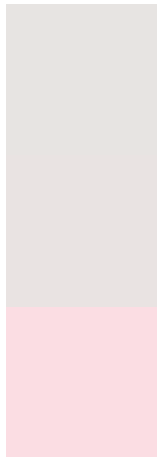


This preview shows how white text looks on a background with the Yxy color 77.9667, 0.3161, 0.3311.

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

77.9667, 0.3161, 0.3311

Protanopia

77.7528, 0.3175, 0.3301

Deuteranopia

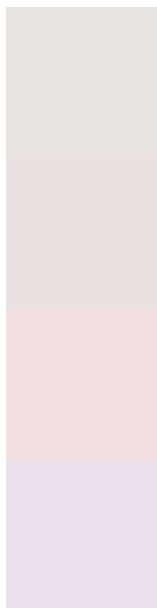
77.7682, 0.3302, 0.3230



Tritanopia

77.8139, 0.3074, 0.3105

Trichromacy



Original Color

77.9667, 0.3161, 0.3311

Protanomaly

77.5850, 0.3168, 0.3301

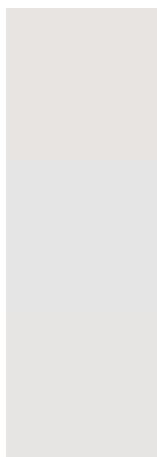
Deuteranomaly

78.0905, 0.3249, 0.3260

Tritanomaly

77.8308, 0.3105, 0.3176

Monochromacy



Original Color

77.9667, 0.3161, 0.3311

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.4631, 0.3140, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.9667, 0.3161, 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(231, 228, 226) looks like.

```
.text, #text, p{  
    color:rgb(231, 228, 226)  
}
```

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, 228, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 228, 226) }
```

Border

The CSS property to change the border of an element to Yxy 77.9667, 0.3161, 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(231, 228, 226) }
```

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

```
.border{ border-color:rgb(231, 228, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 228, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 228, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 228, 226);  
box-shadow:4px 4px 4px 4px rgb(231, 228,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 77.9667, 0.3161, 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(231, 228, 226) }
```

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

```
.background{ background-color: rgb(231,  
228, 226) }
```

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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