

Converting Colors

$Y_{xy}(77.7738, 0.3168, 0.3320)$

Have a look what the booklet for
Yxy(77.7738, 0.3168, 0.3320)
contains.

Yxy(77.9120, 0.3167, 0.3322)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.9120, 0.3167, 0.3322)

Conversions

Conversions Part 1

Format	Color
Hex	E7E4E1
RGB	231, 228, 225
RGB Percent	91%, 89%, 88%
CMY	0.0943, 0.1058, 0.1177
CMYK	0.00, 0.01, 0.03, 0.09
HSL	30°, 11%, 89%
HSV	30°, 3%, 91%
XYZ	74.2767, 77.9120, 82.3447
YIQ	228.5550, 2.7510, -0.2970

Conversions

Conversions Part 2

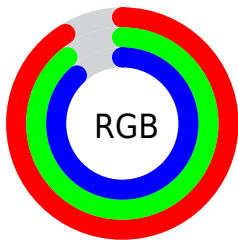
Format	Color
R _Y B	231, 231, 225
Decimal	15197409
CIE Lab	90.74, 0.46, 1.82
CIE LCh	91, 1.875, 75.711
Yxy	77.9120, 0.3167, 0.3322
Android (android.graphics.Color)	4293387489 (0xFFE7E4E1)
YUV	228.5550, -1.7526, 2.1443
Hunter-Lab	88.2678, -4.2621, 6.4760

Details

The Yxy color **77.9120, 0.3167, 0.3322** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.2155, 0.3088, 0.3258**, and the grayscale version is **78.0197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.9034, 0.3170, 0.3331** is the 20% darker color. If you saturate the color by 10%, you get **70.6936, 0.3335, 0.3451**, and if you desaturate by 10%, it is **85.7181, 0.3021, 0.3201**.

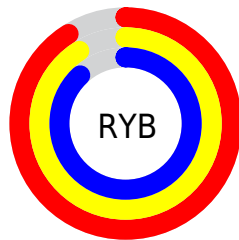
Distribution



Red (91%)

Green (89%)

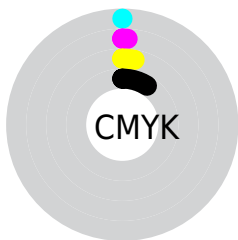
Blue (88%)



Red (91%)

Yellow (91%)

Blue (88%)

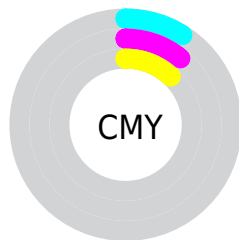


Cyan (0%)

Magenta (1%)

Yellow (3%)

Black (9%)



Cyan (9%)

Magenta (11%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.9120, 0.3167, 0.3322 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 77.9120, 0.3167, 0.3322 by changing the saturation by 10% instead.

■ 77.9120, 0.3167,
0.3322

■ 77.9120, 0.3167,
0.3322

487.8679, 0.3149,
0.3307

■ 58.0017, 0.3171,
0.3325

130.4261, 0.3161,
0.3317

■ 41.8100, 0.3176,
0.3329

163.7986, 0.3158,
0.3315

■ 28.9526, 0.3183,
0.3334

202.4274, 0.3156,
0.3313

■ 19.0449, 0.3191,
0.3341

246.6967, 0.3154,
0.3312

■ 11.7027, 0.3202,
0.3350

296.9910, 0.3153,
0.3311

■ 6.5416, 0.3218,
0.3363

353.6947, 0.3151,

■ 3.1771, 0.3243,

0.3309

417.1922, 0.3150,
0.3308

0.3382

1.2249, 0.3286,
0.3416

0.0819, 0.5212,
0.4788

77.9120, 0.3167,
0.3322

77.9120, 0.3167,
0.3322

70.6936, 0.3335,
0.3451

85.7181, 0.3021,
0.3201

64.0382, 0.3526,
0.3586

93.0298, 0.2981,
0.3247

57.9339, 0.3741,
0.3724

95.7220, 0.2981,
0.3290

52.3645, 0.3980,
0.3860

■ 47.3130, 0.4239,
0.3985

■ 42.7613, 0.4511,
0.4088

■ 38.6895, 0.4783,
0.4157

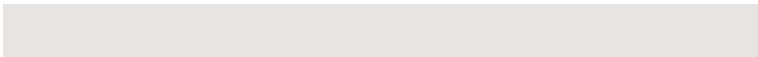
■ 35.0762, 0.5039,
0.4179

■ 31.8968, 0.5262,
0.4146

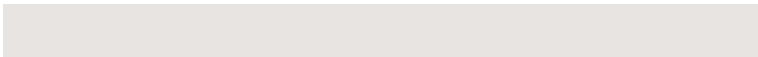
Harmonies

Analogous

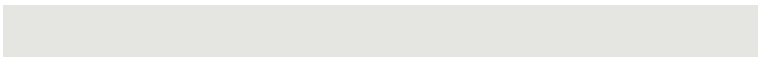
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9120, 0.3170, 0.3307



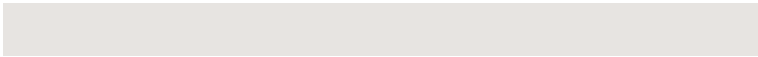
77.9120, 0.3167, 0.3322



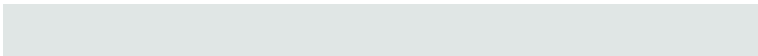
77.9120, 0.3153, 0.3328

Triad

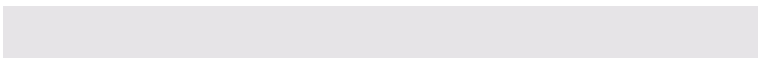
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.9120, 0.3167, 0.3322



77.9120, 0.3093, 0.3293



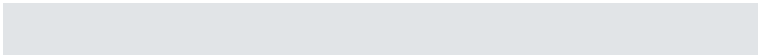
77.9120, 0.3122, 0.3256

Complementary

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



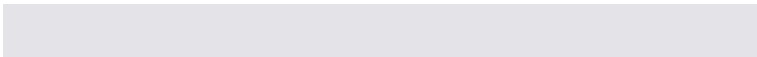
77.9120, 0.3167, 0.3322



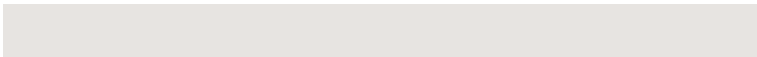
77.2155, 0.3088, 0.3258

Split Complementary

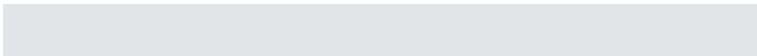
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.9120, 0.3101, 0.3252



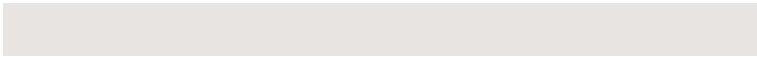
77.9120, 0.3167, 0.3322



77.9120, 0.3084, 0.3273

Square

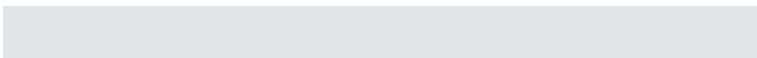
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



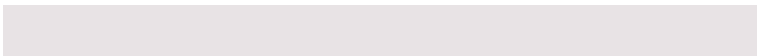
77.9120, 0.3167, 0.3322



77.9120, 0.3110, 0.3311



77.9120, 0.3088, 0.3258



77.9120, 0.3144, 0.3269

Rectangle

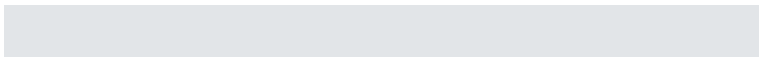
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



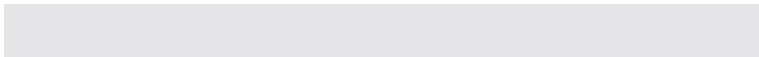
77.9120, 0.3167, 0.3322



77.9120, 0.3140, 0.3327



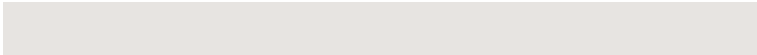
77.9120, 0.3088, 0.3258



77.9120, 0.3115, 0.3254

Sweetspot

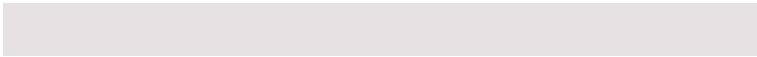
The Sweet Spot groups the original color and five complimentary colors.



77.9154, 0.3167, 0.3322



99.0394, 0.3142, 0.3302



76.4232, 0.3149, 0.3259



21.2087, 0.3142, 0.3302



0.0000, 0.0000, 0.0000



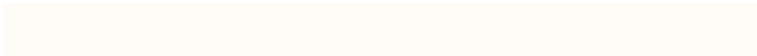
21.4041, 0.3127, 0.3290

Same Dimension

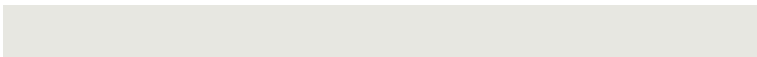
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.9154, 0.3167, 0.3322



97.1405, 0.3174, 0.3327



79.5459, 0.3165, 0.3353



16.4546, 0.3186, 0.3337



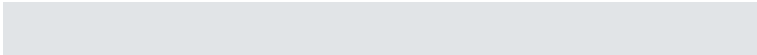
16.9604, 0.5379, 0.4111



1.4392, 0.5160, 0.4285

Inverse Universe

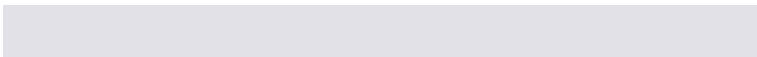
The Inverse Universe completely reimagines the original color for something new.



77.2155, 0.3088, 0.3258



96.1219, 0.3081, 0.3252



75.6133, 0.3089, 0.3227



16.2379, 0.3069, 0.3243



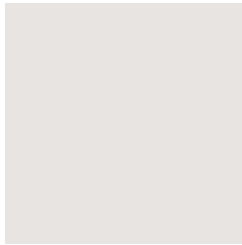
10.1762, 0.1765, 0.1554



0.9376, 0.1839, 0.1821

Previews

White Background



This preview shows how the Yxy color 77.9120, 0.3167, 0.3322 looks on a white background.

Color Contrast Check

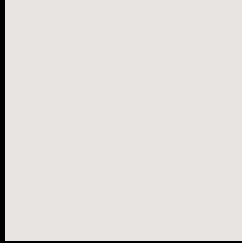
Large Text (above 18pt) WCAG AA × Fail

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 77.9120, 0.3167, 0.3322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

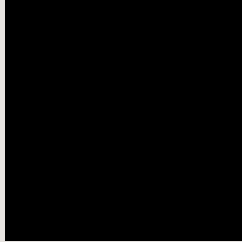
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

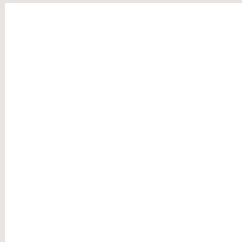
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.9120, 0.3167, 0.3322

Background



This preview shows how black text looks on a background with the Yxy color 77.9120, 0.3167, 0.3322.

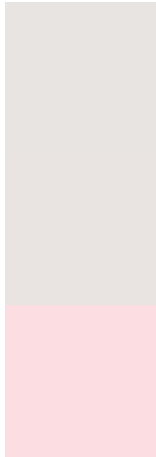


This preview shows how white text looks on a background with the Yxy color 77.9120, 0.3167, 0.3322.

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

77.9120, 0.3167, 0.3322

Protanopia

77.6981, 0.3182, 0.3311

Deuteranopia

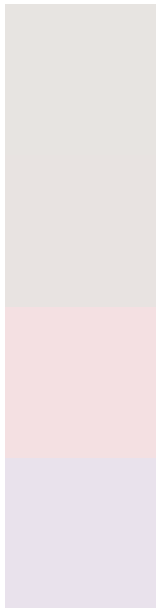
77.7131, 0.3309, 0.3240



Tritanopia

77.8139, 0.3074, 0.3105

Trichromacy



Original Color

77.9120, 0.3167, 0.3322

Protanomaly

77.5302, 0.3175, 0.3311

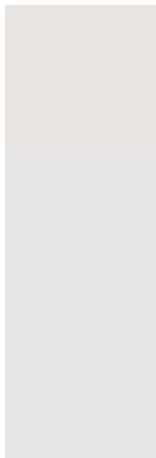
Deuteranomaly

78.0354, 0.3256, 0.3270

Tritanomaly

77.7725, 0.3111, 0.3186

Monochromacy



Original Color

77.9120, 0.3167, 0.3322

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 77.9120, 0.3167, 0.3322 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(231, 228, 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(231, 228, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 228, 225) }
```

Border

The CSS property to change the border of an element to Yxy 77.9120, 0.3167, 0.3322 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, 225) }
```

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

```
.border{ border-color:rgb(231, 228, 225) }
```

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, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 228, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 228, 225);  
box-shadow:4px 4px 4px 4px rgb(231, 228,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 77.9120, 0.3167, 0.3322 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, 225) }
```

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

```
.background{ background-color: rgb(231,  
228, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor