

Converting Colors

Yxy(78.5666, 0.3177, 0.3329)

Have a look what the booklet for
Yxy(78.5666, 0.3177, 0.3329)
contains.

Yxy(78.7985, 0.3180, 0.3332)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(78.7985, 0.3180, 0.3332)

Conversions

Conversions Part 1

Format	Color
Hex	E9E5E1
RGB	233, 229, 225
RGB Percent	91%, 90%, 88%
CMY	0.0865, 0.1019, 0.1176
CMYK	0.00, 0.02, 0.03, 0.09
HSL	30°, 15%, 90%
HSV	30°, 3%, 91%
XYZ	75.2039, 78.7985, 82.4877
YIQ	229.7400, 3.6680, -0.3960

Conversions

Conversions Part 2

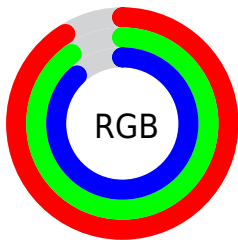
Format	Color
R _{YB}	233, 233, 225
Decimal	15328737
CIE Lab	91.14, 0.63, 2.41
CIE LCh	91, 2.489, 75.273
Yxy	78.7985, 0.3180, 0.3332
Android (android.graphics.Color)	4293518817 (0xFFE9E5E1)
YUV	229.7400, -2.3368, 2.8590
Hunter-Lab	88.7685, -4.1214, 7.0430

Details

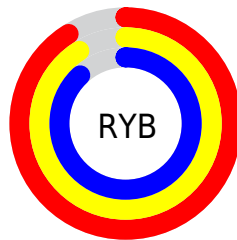
The Yxy color **78.7985, 0.3180, 0.3332** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **77.8995, 0.3075, 0.3248**, and the grayscale version is **78.9421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.5215, 0.3187, 0.3344** is the 20% darker color. If you saturate the color by 10%, you get **71.4385, 0.3350, 0.3461**, and if you desaturate by 10%, it is **86.7635, 0.3032, 0.3212**.

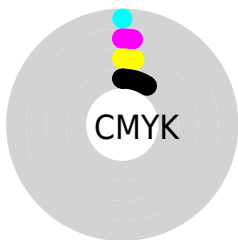
Distribution



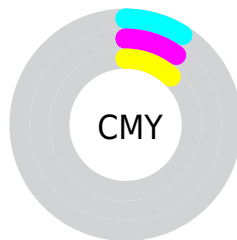
- Red (91%)
- Green (90%)
- Blue (88%)



- Red (91%)
- Yellow (91%)
- Blue (88%)



- Cyan (0%)
- Magenta (2%)
- Yellow (3%)
- Black (9%)



- Cyan (9%)
- Magenta (10%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.7985, 0.3180, 0.3332 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 78.7985, 0.3180, 0.3332 by changing the saturation by 10% instead.

■ 78.7985, 0.3180,
0.3332

■ 78.7985, 0.3180,
0.3332

490.8744, 0.3156,
0.3313

■ 58.7302, 0.3185,
0.3336

131.6752, 0.3172,
0.3325

■ 42.3959, 0.3192,
0.3342

165.2522, 0.3168,
0.3323

■ 29.4114, 0.3201,
0.3348

204.1010, 0.3166,
0.3321

■ 19.3923, 0.3212,
0.3357

248.6059, 0.3163,
0.3319

■ 11.9541, 0.3226,
0.3368

299.1513, 0.3161,
0.3317

■ 6.7124, 0.3247,
0.3385

356.1216, 0.3159,

■ 3.2829, 0.3280,

0.3316

419.9012, 0.3157,
0.3314

0.3410

1.2812, 0.3336,
0.3454

0.1265, 0.5175,
0.4825

78.7985, 0.3180,
0.3332

78.7985, 0.3180,
0.3332

71.4385, 0.3350,
0.3461

86.7635, 0.3032,
0.3212

64.6581, 0.3543,
0.3595

94.2219, 0.2993,
0.3261

58.4448, 0.3761,
0.3733

96.0559, 0.2993,
0.3290

52.7820, 0.4003,
0.3867

■ 47.6519, 0.4265,
0.3989

■ 43.0356, 0.4539,
0.4089

■ 38.9126, 0.4812,
0.4154

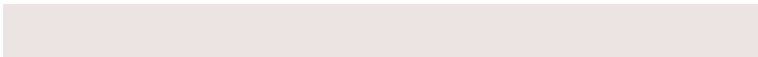
■ 35.2604, 0.5068,
0.4171

■ 32.0533, 0.5289,
0.4132

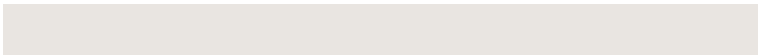
Harmonies

Analogous

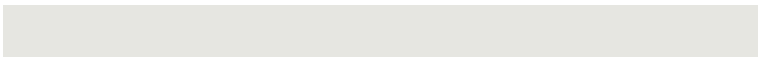
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.7985, 0.3184, 0.3312



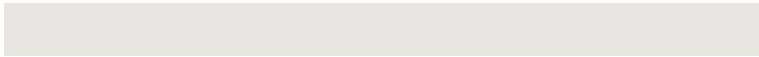
78.7985, 0.3180, 0.3332



78.7985, 0.3162, 0.3341

Triad

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



78.7985, 0.3180, 0.3332



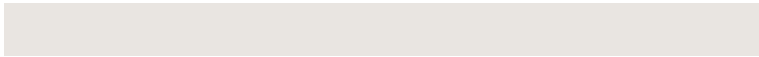
78.7985, 0.3082, 0.3294



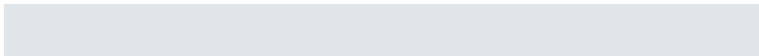
78.7985, 0.3120, 0.3245

Complementary

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



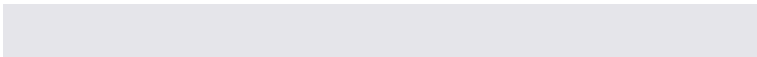
78.7985, 0.3180, 0.3332



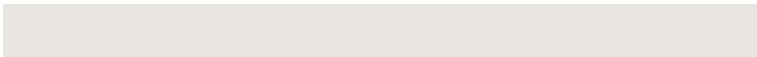
77.8995, 0.3075, 0.3248

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.



78.7985, 0.3093, 0.3240



78.7985, 0.3180, 0.3332



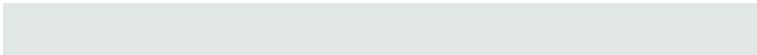
78.7985, 0.3071, 0.3268

Square

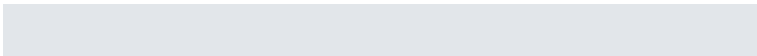
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.7985, 0.3180, 0.3332



78.7985, 0.3105, 0.3319



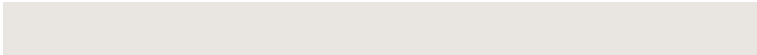
78.7985, 0.3075, 0.3248



78.7985, 0.3149, 0.3262

Rectangle

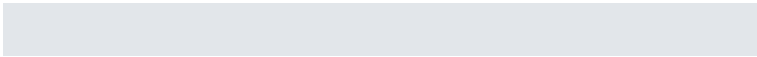
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



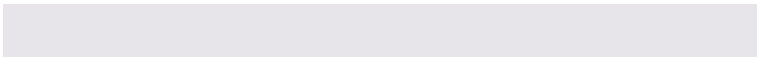
78.7985, 0.3180, 0.3332



78.7985, 0.3144, 0.3339



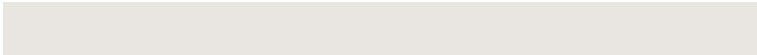
78.7985, 0.3075, 0.3248



78.7985, 0.3110, 0.3242

Sweetspot

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



78.8019, 0.3180, 0.3332



99.0333, 0.3142, 0.3302



76.8291, 0.3157, 0.3249



21.2074, 0.3142, 0.3302



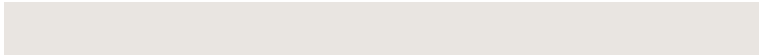
0.0000, 0.0000, 0.0000



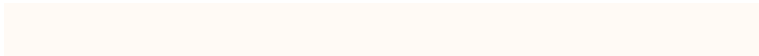
21.4041, 0.3127, 0.3290

Same Dimension

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



78.8019, 0.3180, 0.3332



96.1781, 0.3190, 0.3340



81.0045, 0.3177, 0.3373



17.0837, 0.3201, 0.3349



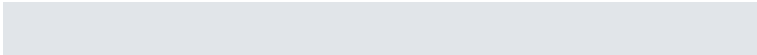
17.3708, 0.5392, 0.4101



1.5565, 0.5181, 0.4268

Inverse Universe

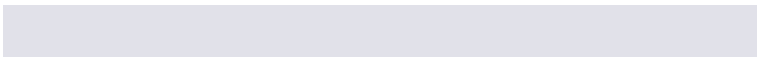
The Inverse Universe completely reimagines the original color for something new.



77.8995, 0.3075, 0.3248



94.8770, 0.3066, 0.3240



75.7472, 0.3076, 0.3206



16.8109, 0.3055, 0.3231



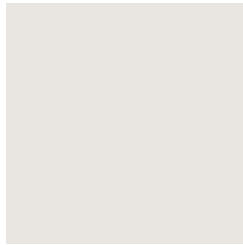
10.6012, 0.1768, 0.1565



1.0248, 0.1838, 0.1817

Previews

White Background



This preview shows how the Yxy color 78.7985, 0.3180, 0.3332 looks on a white background.

Color Contrast Check

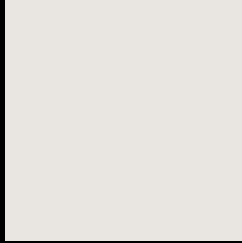
Large Text (above 18pt) WCAG AA × Fail

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 78.7985, 0.3180, 0.3332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

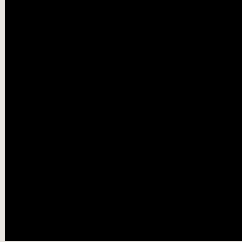
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

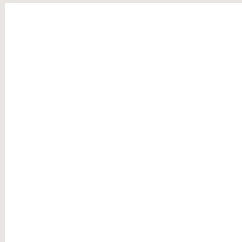
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.7985, 0.3180, 0.3332

Background



This preview shows how black text looks on a background with the Yxy color 78.7985, 0.3180, 0.3332.

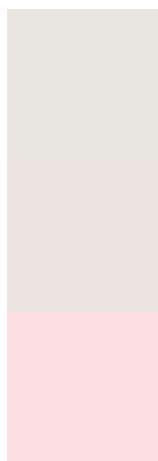


This preview shows how white text looks on a background with the Yxy color 78.7985, 0.3180, 0.3332.

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

78.7985, 0.3180, 0.3332

Protanopia

78.5852, 0.3195, 0.3321

Deuteranopia

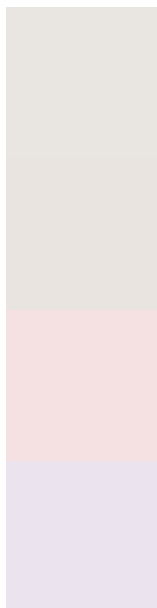
78.6162, 0.3322, 0.3250



Tritanopia

78.7572, 0.3081, 0.3106

Trichromacy



Original Color

78.7985, 0.3180, 0.3332

Protanomaly

78.4155, 0.3188, 0.3322

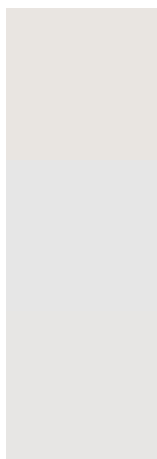
Deuteranomaly

78.9342, 0.3269, 0.3280

Tritanomaly

78.7148, 0.3118, 0.3187

Monochromacy



Original Color

78.7985, 0.3180, 0.3332

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.1840, 0.3147, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7985, 0.3180, 0.3332 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, 229, 225) looks like.

```
.text, #text, p{  
    color:rgb(233, 229, 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(233, 229, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 229, 225) }
```

Border

The CSS property to change the border of an element to Yxy 78.7985, 0.3180, 0.3332 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, 229, 225) }
```

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

```
.border{ border-color:rgb(233, 229, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 229, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 229, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 229, 225);  
box-shadow:4px 4px 4px 4px rgb(233, 229,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7985, 0.3180, 0.3332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 229, 225) }
```

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

```
.background{ background-color: rgb(233,  
229, 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