

Converting Colors

$Y_{xy}(78.1131, 0.3174, 0.3307)$

Have a look what the booklet for
Yxy(78.1131, 0.3174, 0.3307)
contains.

Yxy(78.3014, 0.3175, 0.3311)	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(78.3014, 0.3175, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	E9E4E2
RGB	233, 228, 226
RGB Percent	91%, 89%, 89%
CMY	0.0861, 0.1059, 0.1137
CMYK	0.00, 0.02, 0.03, 0.09
HSL	17°, 14%, 90%
HSV	17°, 3%, 91%
XYZ	75.0852, 78.3014, 83.1021
YIQ	229.2670, 3.6220, 0.4380

Conversions

Conversions Part 2

Format	Color
R_{YB}	233, 229, 226
Decimal	15328482
CIE _{Lab}	90.92, 1.36, 1.57
CIE _{LCh}	91, 2.076, 48.981
Yxy	78.3014, 0.3175, 0.3311
Android (android.graphics.Color)	4293518562 (0xFFE9E4E2)
YUV	229.2670, -1.6106, 3.2738
Hunter-Lab	88.4881, -3.3908, 6.2604

Details

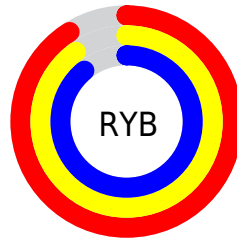
The Yxy color **78.3014, 0.3175, 0.3311** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79.2320, 0.3081, 0.3269**, and the grayscale version is **78.5774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.1745, 0.3180, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **68.3626, 0.3353, 0.3384**, and if you desaturate by 10%, it is **89.3084, 0.3026, 0.3243**.

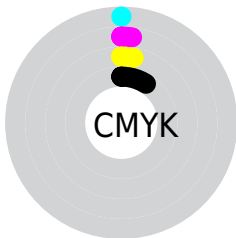
Distribution



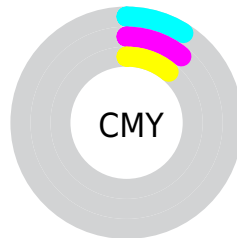
- Red (91%)
- Green (89%)
- Blue (89%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.3014, 0.3175, 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 78.3014, 0.3175, 0.3311 by changing the saturation by 10% instead.

■ 78.3014, 0.3175,
0.3311

■ 78.3014, 0.3175,
0.3311

489.1898, 0.3153,
0.3302

■ 58.3216, 0.3180,
0.3313

130.9749, 0.3167,
0.3308

■ 42.0673, 0.3186,
0.3316

164.4374, 0.3165,
0.3306

■ 29.1540, 0.3194,
0.3319

203.1630, 0.3162,
0.3305

■ 19.1973, 0.3204,
0.3323

247.5359, 0.3160,
0.3304

■ 11.8129, 0.3217,
0.3329

297.9407, 0.3158,
0.3304

■ 6.6164, 0.3236,
0.3337

354.7617, 0.3156,

■ 3.2234, 0.3266,

0.3303

418.3832, 0.3155,
0.3302

0.3350

1.2494, 0.3318,
0.3371

0.1015, 0.5585,
0.4370

78.3014, 0.3175,
0.3311

78.3014, 0.3175,
0.3311

68.3626, 0.3353,
0.3384

89.3084, 0.3026,
0.3243

59.4498, 0.3564,
0.3461

96.0714, 0.2994,
0.3290

51.5328, 0.3814,
0.3540

44.5762, 0.4107,
0.3617

■ 38.5422, 0.4442,
0.3685

■ 33.3907, 0.4809,
0.3735

■ 29.0783, 0.5191,
0.3754

■ 25.5574, 0.5553,
0.3732

■ 22.7752, 0.5858,
0.3663

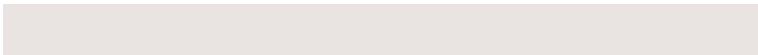
Harmonies

Analogous

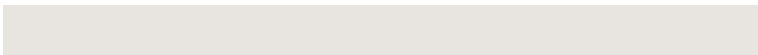
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.3014, 0.3167, 0.3290



78.3014, 0.3175, 0.3311



78.3014, 0.3170, 0.3327

Triad

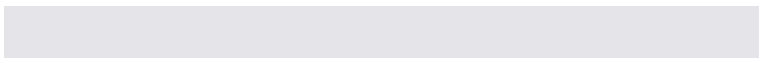
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.3014, 0.3175, 0.3311



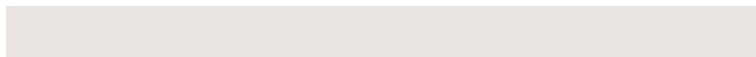
78.3014, 0.3106, 0.3312



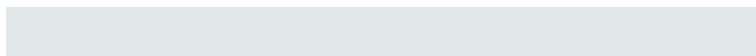
78.3014, 0.3101, 0.3248

Complementary

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



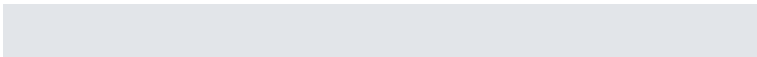
78.3014, 0.3175, 0.3311



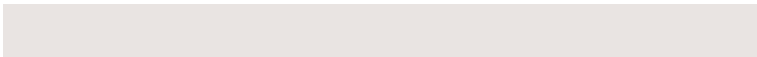
79.2320, 0.3081, 0.3269

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.



78.3014, 0.3085, 0.3254



78.3014, 0.3175, 0.3311



78.3014, 0.3088, 0.3290

Square

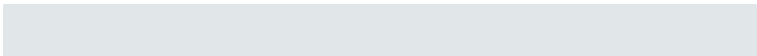
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.3014, 0.3175, 0.3311



78.3014, 0.3130, 0.3327



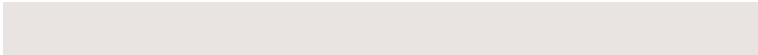
78.3014, 0.3080, 0.3269



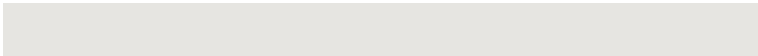
78.3014, 0.3124, 0.3254

Rectangle

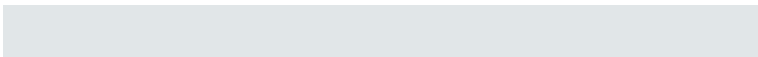
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



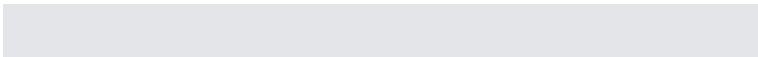
78.3014, 0.3175, 0.3311



78.3014, 0.3160, 0.3332



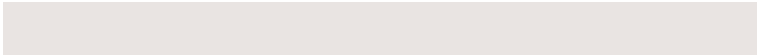
78.3014, 0.3080, 0.3269



78.3014, 0.3094, 0.3249

Sweetspot

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



78.3048, 0.3175, 0.3311



98.6765, 0.3143, 0.3297



77.4930, 0.3143, 0.3237



21.1348, 0.3142, 0.3297



0.0000, 0.0000, 0.0000



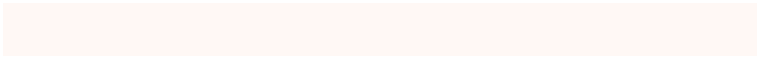
21.4041, 0.3127, 0.3290

Same Dimension

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



78.3048, 0.3175, 0.3311



94.7852, 0.3191, 0.3318



80.2645, 0.3173, 0.3348



16.7920, 0.3203, 0.3323



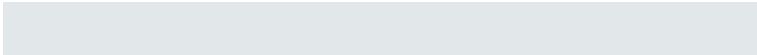
12.2249, 0.5999, 0.3619



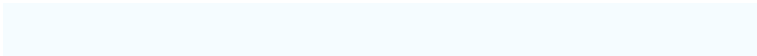
1.1185, 0.5727, 0.3835

Inverse Universe

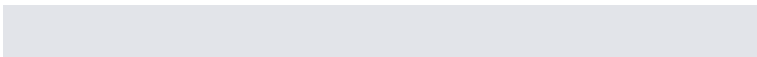
The Inverse Universe completely reimagines the original color for something new.



79.2320, 0.3081, 0.3269



96.2859, 0.3065, 0.3262



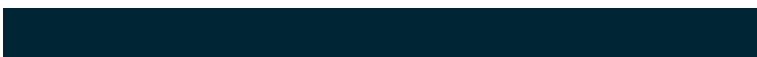
77.2776, 0.3082, 0.3232



17.1066, 0.3054, 0.3257



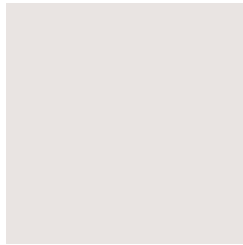
19.2338, 0.1984, 0.2342



1.6723, 0.2025, 0.2489

Previews

White Background



This preview shows how the Yxy color 78.3014, 0.3175, 0.3311 looks on a white background.

Color Contrast Check

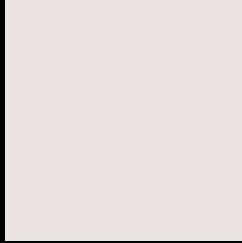
Large Text (above 18pt) WCAG AA × Fail

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 78.3014, 0.3175, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

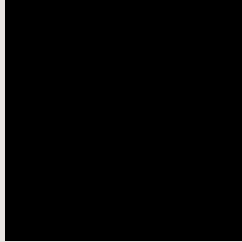
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

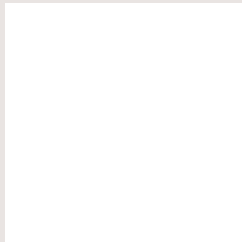
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.3014, 0.3175, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 78.3014, 0.3175, 0.3311.

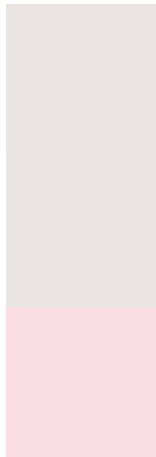


This preview shows how white text looks on a background with the Yxy color 78.3014, 0.3175, 0.3311.

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

78.3014, 0.3175, 0.3311

Protanopia

78.4702, 0.3182, 0.3311

Deuteranopia

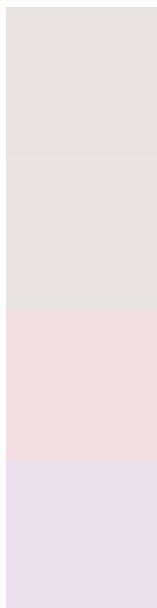
78.2978, 0.3301, 0.3240



Tritanopia

78.1544, 0.3088, 0.3106

Trichromacy



Original Color

78.3014, 0.3175, 0.3311

Protanomaly

78.4702, 0.3182, 0.3311

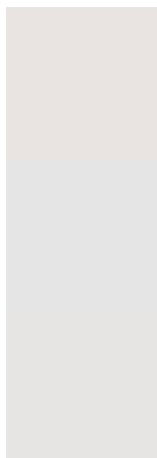
Deuteranomaly

78.0905, 0.3249, 0.3260

Tritanomaly

78.1693, 0.3119, 0.3177

Monochromacy



Original Color

78.3014, 0.3175, 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 78.3014, 0.3175, 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(233, 228, 226)` looks like.

```
.text, #text, p{  
    color:rgb(233, 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(233, 228, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 228, 226) }
```

Border

The CSS property to change the border of an element to Yxy 78.3014, 0.3175, 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(233, 228, 226) }
```

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

```
.border{ border-color:rgb(233, 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(233, 228, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 228, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 228, 226);  
box-shadow:4px 4px 4px 4px rgb(233, 228,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 78.3014, 0.3175, 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(233, 228, 226) }
```

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

```
.background{ background-color: rgb(233,  
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](#).

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