

Converting Colors

$Yxy(78.9143, 0.3137, 0.3316)$

Have a look what the booklet for
Yxy(78.9143, 0.3137, 0.3316)
contains.

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Color

Yxy(78.8531, 0.3133, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	E5E6E4
RGB	229, 230, 228
RGB Percent	90%, 90%, 89%
CMY	0.1020, 0.0980, 0.1059
CMYK	0.00, 0.00, 0.01, 0.10
HSL	90°, 4%, 90%
HSV	90°, 1%, 90%
XYZ	74.6139, 78.8531, 84.6879
YIQ	229.4730, 0.0460, -0.8340

Conversions

Conversions Part 2

Format	Color
R_{YB}	228, 230, 229
Decimal	15066852
CIE Lab	91.17, -0.69, 0.84
CIE LCh	91, 1.087, 129.152
Yxy	78.8531, 0.3133, 0.3311
Android (android.graphics.Color)	4293256932 (0xFFE5E6E4)
YUV	229.4730, -0.7262, -0.4148
Hunter-Lab	88.7993, -5.4134, 5.6146

Details

The Yxy color **78.8531, 0.3133, 0.3311** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.8614, 0.3121, 0.3269**, and the grayscale version is **78.7289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.6757, 0.3135, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **75.8295, 0.3200, 0.3565**, and if you desaturate by 10%, it is **82.1793, 0.3067, 0.3080**.

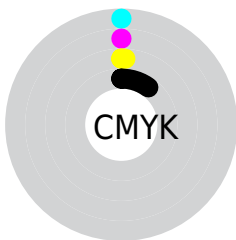
Distribution



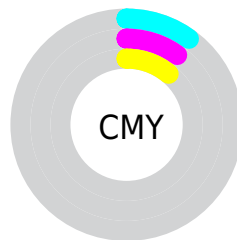
- Red (90%)
- Green (90%)
- Blue (89%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (1%)
- Black (10%)



- Cyan (10%)
- Magenta (10%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.8531, 0.3133, 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 78.8531, 0.3133, 0.3311 by changing the saturation by 10% instead.

■ 78.8531, 0.3133,
0.3311

■ 78.8531, 0.3133,
0.3311

491.0592, 0.3130,
0.3302

■ 58.7750, 0.3134,
0.3313

131.7520, 0.3132,
0.3308

■ 42.4321, 0.3134,
0.3316

165.3417, 0.3132,
0.3306

■ 29.4397, 0.3135,
0.3319

204.2040, 0.3131,
0.3305

■ 19.4137, 0.3136,
0.3323

248.7234, 0.3131,
0.3304

■ 11.9696, 0.3138,
0.3329

299.2842, 0.3131,
0.3304

■ 6.7230, 0.3140,
0.3338

356.2708, 0.3131,

■ 3.2895, 0.3144,

0.3303

0.3350

420.0677, 0.3131,
0.3302

■ 1.2847, 0.3150,
0.3373

■ 0.1293, 0.3345,
0.4075

■ 78.8531, 0.3133,
0.3311

■ 78.8531, 0.3133,
0.3311

■ 75.8295, 0.3200,
0.3565

■ 82.1793, 0.3067,
0.3080

■ 73.0892, 0.3267,
0.3840

■ 84.5213, 0.3119,
0.3047

■ 70.6261, 0.3329,
0.4131

■ 85.0765, 0.3138,
0.3048

■ 68.4298, 0.3383,
0.4431

■ 66.4896, 0.3426,
0.4730

■ 64.7936, 0.3452,
0.5014

■ 63.3288, 0.3458,
0.5266

■ 62.0806, 0.3442,
0.5473

■ 61.0321, 0.3404,
0.5625

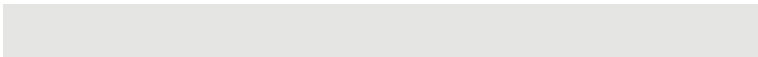
Harmonies

Analogous

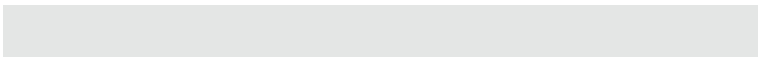
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.8531, 0.3144, 0.3312



78.8531, 0.3133, 0.3311



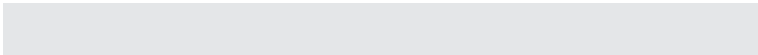
78.8531, 0.3120, 0.3304

Triad

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



78.8531, 0.3133, 0.3311



78.8531, 0.3103, 0.3273



78.8531, 0.3145, 0.3286

Complementary

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



78.8531, 0.3133, 0.3311



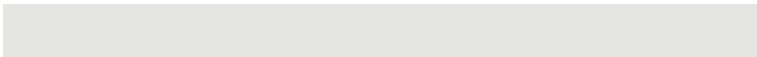
77.8614, 0.3121, 0.3269

Split Complementary

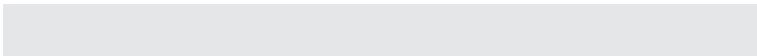
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.8531, 0.3134, 0.3276



78.8531, 0.3133, 0.3311



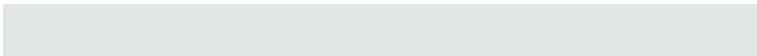
78.8531, 0.3110, 0.3269

Square

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



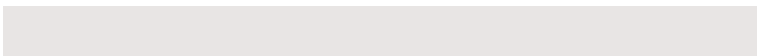
78.8531, 0.3133, 0.3311



78.8531, 0.3103, 0.3283



78.8531, 0.3121, 0.3270



78.8531, 0.3152, 0.3298

Rectangle

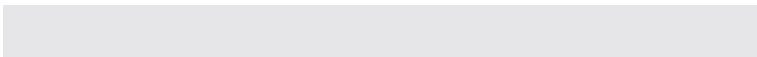
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.8531, 0.3133, 0.3311



78.8531, 0.3112, 0.3298



78.8531, 0.3121, 0.3270



78.8531, 0.3142, 0.3283

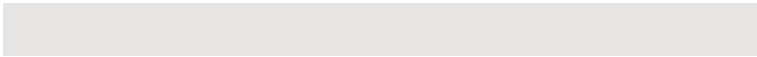
Sweetspot

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



78.8565, 0.3133, 0.3311

100.0000, 0.3127, 0.3290



78.4665, 0.3140, 0.3301



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

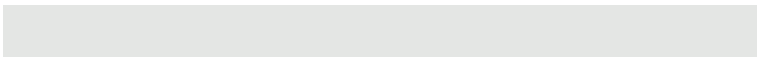
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8565, 0.3133, 0.3311



99.5953, 0.3134, 0.3314



78.6927, 0.3126, 0.3311



16.9996, 0.3134, 0.3313



34.1672, 0.3366, 0.5709



2.5801, 0.3477, 0.5621

Inverse Universe

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



77.8614, 0.3121, 0.3269



98.1433, 0.3120, 0.3266



78.0261, 0.3128, 0.3269



16.7665, 0.3121, 0.3267



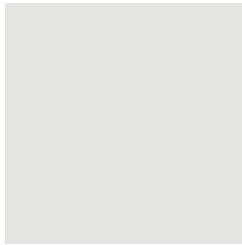
5.3799, 0.2028, 0.0891



0.4528, 0.2186, 0.0978

Previews

White Background



This preview shows how the Yxy color 78.8531, 0.3133, 0.3311 looks on a white background.

Color Contrast Check

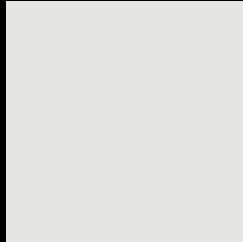
Large Text (above 18pt) WCAG AA × Fail

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 78.8531, 0.3133, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

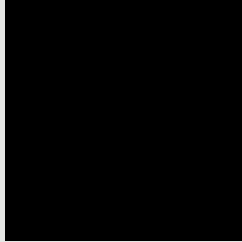
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

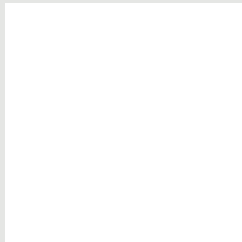
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.8531, 0.3133, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 78.8531, 0.3133, 0.3311.

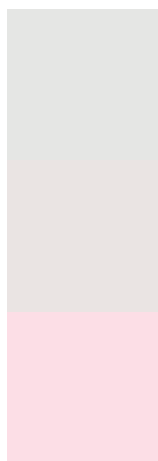


This preview shows how white text looks on a background with the Yxy color 78.8531, 0.3133, 0.3311.

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

78.8531, 0.3133, 0.3311

Protanopia

78.5253, 0.3175, 0.3301

Deuteranopia

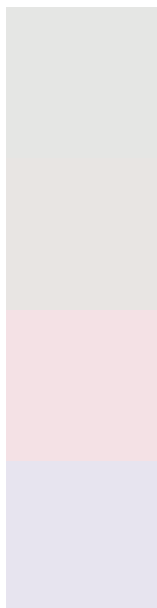
78.6512, 0.3288, 0.3210



Tritanopia

78.6865, 0.3047, 0.3105

Trichromacy



Original Color

78.8531, 0.3133, 0.3311

Protanomaly

78.7405, 0.3161, 0.3311

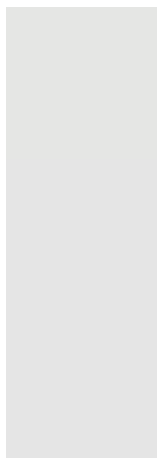
Deuteranomaly

78.7407, 0.3235, 0.3250

Tritanomaly

78.7077, 0.3078, 0.3176

Monochromacy



Original Color

78.8531, 0.3133, 0.3311

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.3538, 0.3127, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8531, 0.3133, 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(229, 230, 228)` looks like.

```
.text, #text, p{  
    color:rgb(229, 230, 228)  
}
```

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(229, 230, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 230, 228) }
```

Border

The CSS property to change the border of an element to Yxy 78.8531, 0.3133, 0.3311 is called "border". The border property can be set on classes, ids or directly on the HTML element.

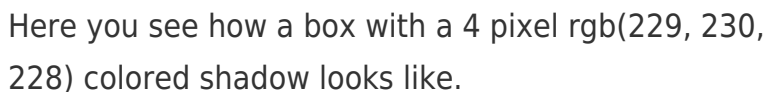
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(229, 230, 228) }
```

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

```
.border{ border-color:rgb(229, 230, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(229, 230, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 230, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 230, 228); box-shadow:4px 4px 4px 4px rgb(229, 230, 228) }
```

Background

The CSS property to change the background color of an element to Yxy 78.8531, 0.3133, 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(229, 230, 228) }
```

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

```
.background{ background-color: rgb(229,  
230, 228) }
```

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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