

Converting Colors

$Yxy(77.9396, 0.3083, 0.3246)$

Have a look what the booklet for
Yxy(77.9396, 0.3083, 0.3246)
contains.

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Color

Yxy(78.0906, 0.3081, 0.3248)

Conversions

Conversions Part 1

Format	Color
Hex	E2E5E9
RGB	226, 229, 233
RGB Percent	89%, 90%, 91%
CMY	0.1140, 0.1019, 0.0863
CMYK	0.03, 0.02, 0.00, 0.09
HSL	214°, 14%, 90%
HSV	214°, 3%, 91%
XYZ	74.0755, 78.0906, 88.2607
YIQ	228.5590, -3.0720, 0.6080

Conversions

Conversions Part 2

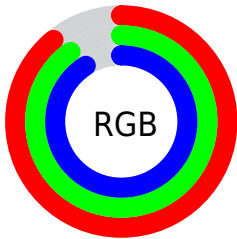
Format	Color
R_{YB}	226, 228, 233
Decimal	14869993
CIE _{Lab}	90.82, -0.30, -2.31
CIE _{LCh}	91, 2.326, 262.469
Yxy	78.0906, 0.3081, 0.3248
Android (android.graphics.Color)	4293060073 (0xFFE2E5E9)
YUV	228.5590, 2.1894, -2.2442
Hunter-Lab	88.3689, -5.0174, 2.6408

Details

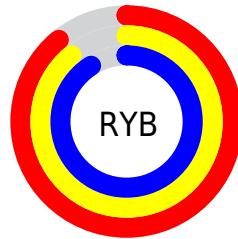
The Yxy color **78.0906, 0.3081, 0.3248** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79.3552, 0.3174, 0.3332**, and the grayscale version is **77.9946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.1044, 0.3076, 0.3249** is the 20% darker color. If you saturate the color by 10%, you get **67.5976, 0.2923, 0.3099**, and if you desaturate by 10%, it is **89.6499, 0.3230, 0.3381**.

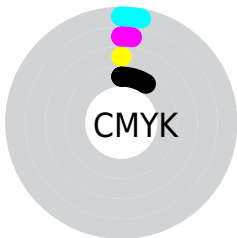
Distribution



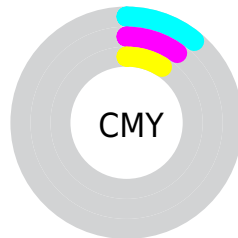
- Red (89%)
- Green (90%)
- Blue (91%)



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



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



- Cyan (11%)
- Magenta (10%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.0906, 0.3081, 0.3248 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 78.0906, 0.3081, 0.3248 by changing the saturation by 10% instead.

■ 78.0906, 0.3081,
0.3248

■ 78.0906, 0.3081,
0.3248

488.4745, 0.3102,
0.3267

■ 58.1484, 0.3076,
0.3244

130.6778, 0.3088,
0.3255

■ 41.9280, 0.3070,
0.3238

164.0917, 0.3091,
0.3257

■ 29.0449, 0.3063,
0.3232

202.7648, 0.3094,
0.3260

■ 19.1148, 0.3053,
0.3223

247.0817, 0.3096,
0.3261

■ 11.7532, 0.3040,
0.3211

297.4267, 0.3098,
0.3263

■ 6.5759, 0.3022,
0.3194

354.1843, 0.3099,

■ 3.1983, 0.2994,

0.3265

0.3168

417.7387, 0.3101,
0.3266

■ 1.2361, 0.2944,
0.3122

■ 0.0909, 0.1836,
0.2114

■ 78.0906, 0.3081,
0.3248

■ 78.0906, 0.3081,
0.3248

■ 67.5976, 0.2923,
0.3099

■ 89.6499, 0.3230,
0.3381

■ 58.1282, 0.2759,
0.2932

■ 98.6634, 0.3256,
0.3503

■ 49.6516, 0.2589,
0.2749

■ 42.1314, 0.2420,
0.2550

■ 35.5284, 0.2254,
0.2339

■ 29.8006, 0.2100,
0.2119

■ 24.9018, 0.1962,
0.1898

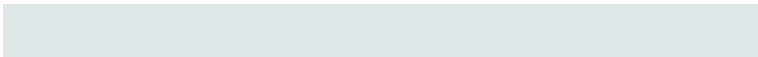
■ 20.7801, 0.1846,
0.1683

■ 17.3753, 0.1757,
0.1481

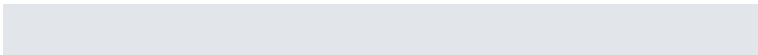
Harmonies

Analogous

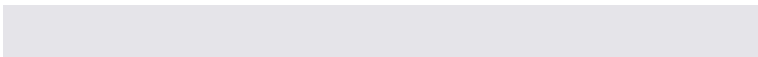
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.0906, 0.3074, 0.3264



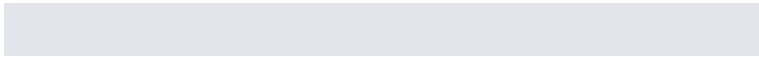
78.0906, 0.3081, 0.3248



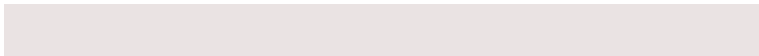
78.0906, 0.3100, 0.3243

Triad

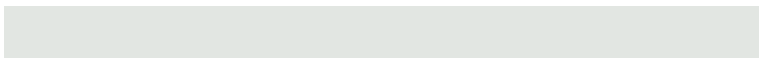
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.0906, 0.3081, 0.3248



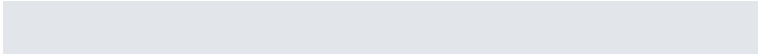
78.0906, 0.3174, 0.3293



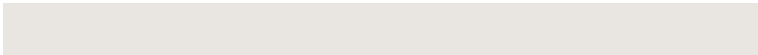
78.0906, 0.3127, 0.3330

Complementary

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



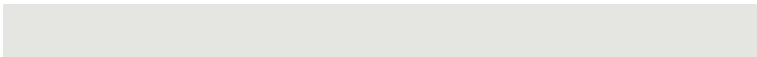
78.0906, 0.3081, 0.3248



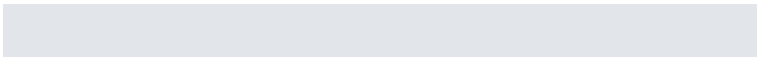
79.3552, 0.3174, 0.3332

Split Complementary

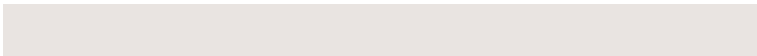
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.0906, 0.3154, 0.3338



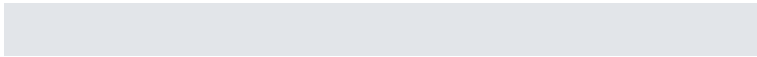
78.0906, 0.3081, 0.3248



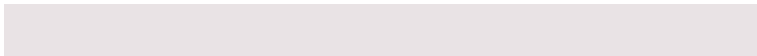
78.0906, 0.3181, 0.3316

Square

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



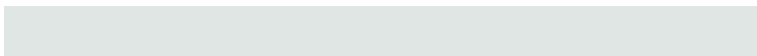
78.0906, 0.3081, 0.3248



78.0906, 0.3154, 0.3269



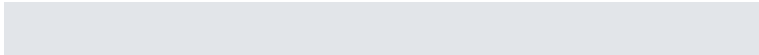
78.0906, 0.3174, 0.3332



78.0906, 0.3101, 0.3312

Rectangle

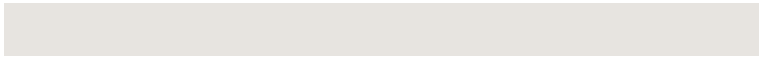
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



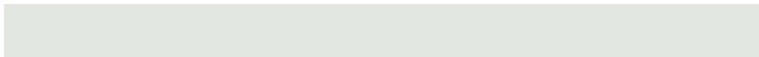
78.0906, 0.3081, 0.3248



78.0906, 0.3118, 0.3247



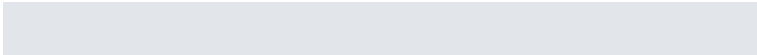
78.0906, 0.3174, 0.3332



78.0906, 0.3136, 0.3334

Sweetspot

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



78.0939, 0.3081, 0.3248



98.6077, 0.3112, 0.3276



80.1406, 0.3099, 0.3323



21.1208, 0.3113, 0.3277



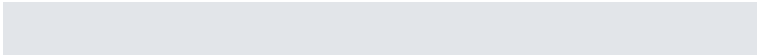
0.0000, 0.0000, 0.0000



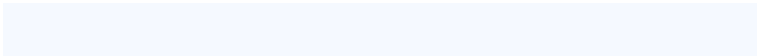
21.4041, 0.3127, 0.3290

Same Dimension

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



78.0939, 0.3081, 0.3248



94.5097, 0.3066, 0.3234



76.4546, 0.3084, 0.3215



16.7339, 0.3055, 0.3224



8.9582, 0.1716, 0.1378



0.8919, 0.1791, 0.1646

Inverse Universe

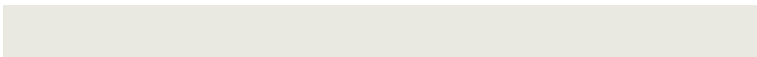
The Inverse Universe completely reimagines the original color for something new.



77.3389, 0.3156, 0.3258



93.2998, 0.3166, 0.3247



81.0315, 0.3169, 0.3364



16.4817, 0.3173, 0.3239



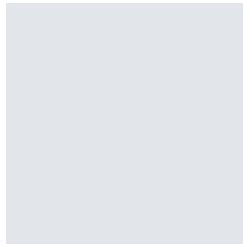
10.3971, 0.5220, 0.2649



0.8354, 0.4873, 0.2458

Previews

White Background



This preview shows how the Yxy color 78.0906, 0.3081, 0.3248 looks on a white background.

Color Contrast Check

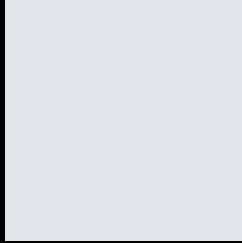
Large Text (above 18pt) WCAG AA × Fail

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 78.0906, 0.3081, 0.3248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

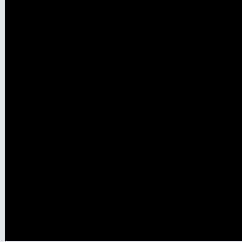
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

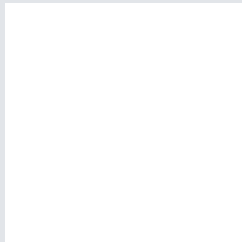
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.0906, 0.3081, 0.3248

Background



This preview shows how black text looks on a background with the Yxy color 78.0906, 0.3081, 0.3248.

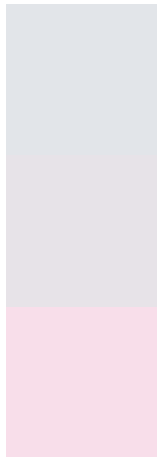


This preview shows how white text looks on a background with the Yxy color 78.0906, 0.3081, 0.3248.

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

78.0906, 0.3081, 0.3248

Protanopia

77.7533, 0.3123, 0.3238

Deuteranopia

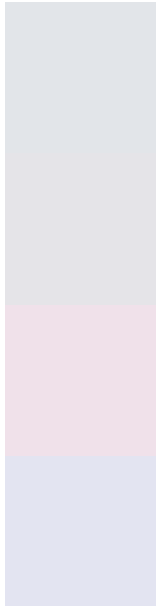
78.1395, 0.3232, 0.3169



Tritanopia

78.0247, 0.3021, 0.3103

Trichromacy



Original Color

78.0906, 0.3081, 0.3248

Protanomaly

77.9710, 0.3109, 0.3248

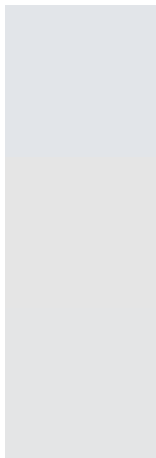
Deuteranomaly

78.3162, 0.3173, 0.3198

Tritanomaly

78.1686, 0.3039, 0.3154

Monochromacy



Original Color

78.0906, 0.3081, 0.3248

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.2458, 0.3114, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.0906, 0.3081, 0.3248 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(226, 229, 233)` looks like.

```
.text, #text, p{  
    color:rgb(226, 229, 233)  
}
```

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(226, 229, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 229, 233) }
```

Border

The CSS property to change the border of an element to Yxy 78.0906, 0.3081, 0.3248 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(226, 229, 233) }
```

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

```
.border{ border-color:rgb(226, 229, 233) }
```

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

Here you see how a box with a 4 pixel rgb(226, 229, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 229, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 229, 233);  
box-shadow:4px 4px 4px 4px rgb(226, 229,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 78.0906, 0.3081, 0.3248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 229, 233) }
```

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

```
.background{ background-color: rgb(226,  
229, 233) }
```

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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