

Converting Colors

$Y_{xy}(79.8470, 0.3104, 0.3314)$

Have a look what the booklet for
Yxy(79.8470, 0.3104, 0.3314)
contains.

Yxy(79.7573, 0.3106, 0.3311)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(79.7573, 0.3106, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	E3E8E6
RGB	227, 232, 230
RGB Percent	89%, 91%, 90%
CMY	0.1098, 0.0902, 0.0981
CMYK	0.02, 0.00, 0.01, 0.09
HSL	156°, 10%, 90%
HSV	156°, 2%, 91%
XYZ	74.8191, 79.7573, 86.3094
YIQ	230.2770, -2.3380, -1.6820

Conversions

Conversions Part 2

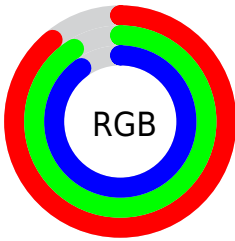
Format	Color
R _Y B	227, 230, 232
Decimal	14936294
CIE Lab	91.58, -2.02, 0.38
CIE LCh	92, 2.058, 169.359
Yxy	79.7573, 0.3106, 0.3311
Android (android.graphics.Color)	4293126374 (0xFFE3E8E6)
YUV	230.2770, -0.1366, -2.8739
Hunter-Lab	89.3069, -6.7443, 5.2149

Details

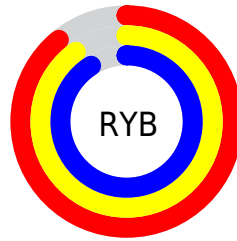
The Yxy color **79.7573, 0.3106, 0.3311** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **77.7578, 0.3149, 0.3269**, and the grayscale version is **79.3514, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.9165, 0.3100, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **75.7284, 0.3009, 0.3416**, and if you desaturate by 10%, it is **84.3295, 0.3205, 0.3218**.

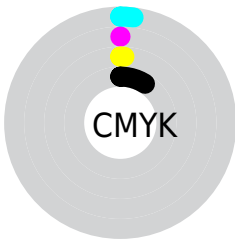
Distribution



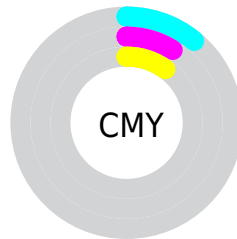
- Red (89%)
- Green (91%)
- Blue (90%)



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



- Cyan (2%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.7573, 0.3106, 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 79.7573, 0.3106, 0.3311 by changing the saturation by 10% instead.

■ 79.7573, 0.3106,
0.3311

■ 79.7573, 0.3106,
0.3311

494.1145, 0.3116,
0.3302

■ 59.5187, 0.3104,
0.3313

133.0245, 0.3109,
0.3308

■ 43.0308, 0.3101,
0.3316

166.8218, 0.3111,
0.3306

■ 29.9093, 0.3098,
0.3319

205.9074, 0.3112,
0.3305

■ 19.7697, 0.3093,
0.3323

250.6658, 0.3113,
0.3304

■ 12.2278, 0.3087,
0.3329

301.4813, 0.3114,
0.3304

■ 6.8990, 0.3079,
0.3337

358.7383, 0.3114,

■ 3.3990, 0.3066,

0.3303

422.8213, 0.3115,
0.3302

0.3350

■ 1.3434, 0.3044,
0.3372

■ 0.1745, 0.2563,
0.3840

■ 79.7573, 0.3106,
0.3311

■ 79.7573, 0.3106,
0.3311

■ 75.7284, 0.3009,
0.3416

■ 84.3295, 0.3205,
0.3218

■ 72.2118, 0.2916,
0.3532

■ 85.7936, 0.3178,
0.3128

■ 69.1890, 0.2829,
0.3659

■ 86.1954, 0.3138,
0.3068

■ 66.6364, 0.2752,
0.3796

■ 64.5285, 0.2689,
0.3943

■ 62.8371, 0.2641,
0.4097

■ 61.5308, 0.2612,
0.4254

■ 60.5735, 0.2603,
0.4412

■ 59.9219, 0.2615,
0.4568

Harmonies

Analogous

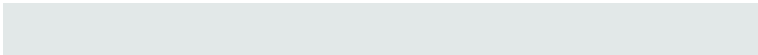
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.7573, 0.3130, 0.3326



79.7573, 0.3106, 0.3311



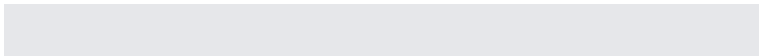
79.7573, 0.3088, 0.3290

Triad

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



79.7573, 0.3106, 0.3311



79.7573, 0.3102, 0.3249



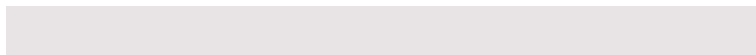
79.7573, 0.3174, 0.3311

Complementary

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



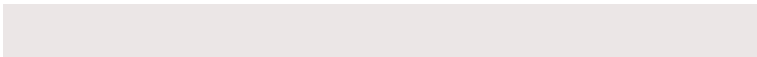
79.7573, 0.3106, 0.3311



77.7578, 0.3149, 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.



79.7573, 0.3167, 0.3290



79.7573, 0.3106, 0.3311



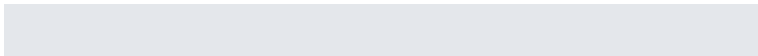
79.7573, 0.3125, 0.3254

Square

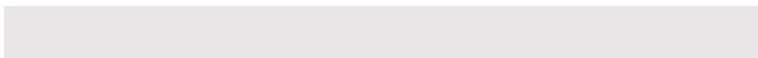
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



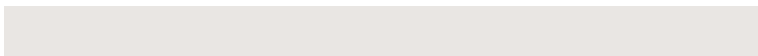
79.7573, 0.3106, 0.3311



79.7573, 0.3085, 0.3254



79.7573, 0.3148, 0.3270



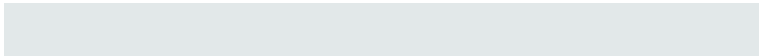
79.7573, 0.3169, 0.3326

Rectangle

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



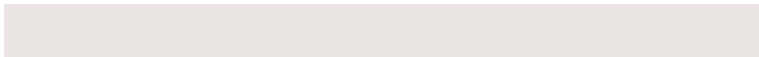
79.7573, 0.3106, 0.3311



79.7573, 0.3082, 0.3276



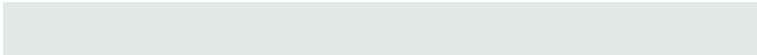
79.7573, 0.3148, 0.3270



79.7573, 0.3173, 0.3304

Sweetspot

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



79.7607, 0.3106, 0.3311



99.4537, 0.3117, 0.3300



79.9349, 0.3139, 0.3342



21.2929, 0.3118, 0.3299



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

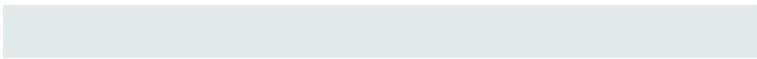
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.7607, 0.3106, 0.3311



98.3813, 0.3098, 0.3320



79.6402, 0.3094, 0.3286



16.7199, 0.3090, 0.3327



33.0956, 0.2628, 0.4662



2.4639, 0.2567, 0.4439

Inverse Universe

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



77.7578, 0.3149, 0.3269



94.9247, 0.3158, 0.3261



77.8742, 0.3162, 0.3294



15.9843, 0.3166, 0.3253



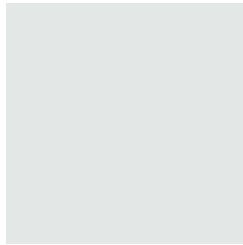
9.9894, 0.5363, 0.2728



0.7562, 0.4978, 0.2516

Previews

White Background



This preview shows how the Yxy color 79.7573, 0.3106, 0.3311 looks on a white background.

Color Contrast Check

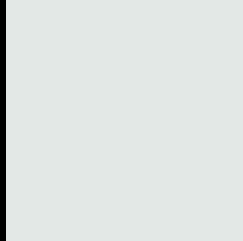
Large Text (above 18pt) WCAG AA × Fail

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 79.7573, 0.3106, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

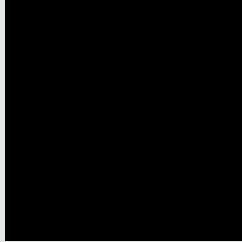
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

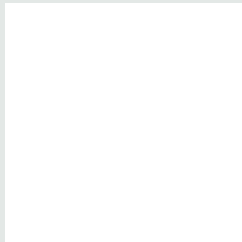
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.7573, 0.3106, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 79.7573, 0.3106, 0.3311.

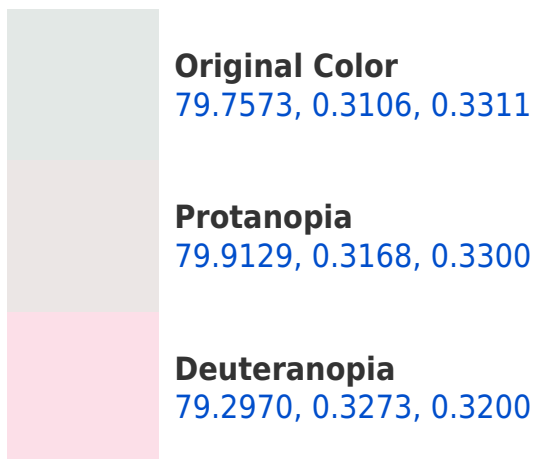


This preview shows how white text looks on a background with the Yxy color 79.7573, 0.3106, 0.3311.

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

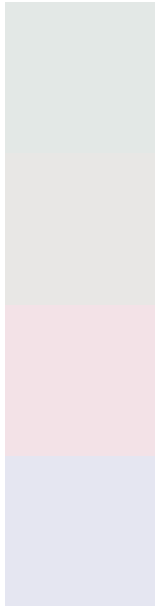




Tritanopia

79.5770, 0.3022, 0.3105

Trichromacy



Original Color

79.7573, 0.3106, 0.3311

Protanomaly

79.9648, 0.3147, 0.3311

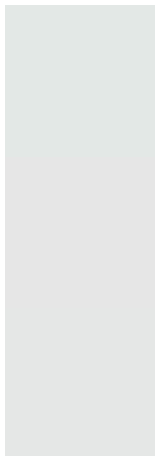
Deuteranomaly

79.2169, 0.3213, 0.3239

Tritanomaly

79.6025, 0.3052, 0.3176

Monochromacy



Original Color

79.7573, 0.3106, 0.3311

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.5230, 0.3120, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.7573, 0.3106, 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(227, 232, 230)` looks like.

```
.text, #text, p{  
    color:rgb(227, 232, 230)  
}
```

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(227, 232, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 232, 230) }
```

Border

The CSS property to change the border of an element to Yxy 79.7573, 0.3106, 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(227, 232, 230) }
```

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

```
.border{ border-color:rgb(227, 232, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 232, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 232, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 232, 230);  
box-shadow:4px 4px 4px 4px rgb(227, 232,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 79.7573, 0.3106, 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(227, 232, 230) }
```

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

```
.background{ background-color: rgb(227,  
232, 230) }
```

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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