

Converting Colors

$Y_{xy}(78.5290, 0.3108, 0.3235)$

Have a look what the booklet for
Yxy(78.5290, 0.3108, 0.3235)
contains.

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Color

Yxy(78.2503, 0.3103, 0.3227)

Conversions

Conversions Part 1

Format	Color
Hex	E6E4EA
RGB	230, 228, 234
RGB Percent	90%, 89%, 92%
CMY	0.0978, 0.1059, 0.0823
CMYK	0.02, 0.03, 0.00, 0.08
HSL	261°, 13%, 91%
HSV	261°, 3%, 92%
XYZ	75.2435, 78.2503, 88.9924
YIQ	229.2820, -0.7340, 2.2900

Conversions

Conversions Part 2

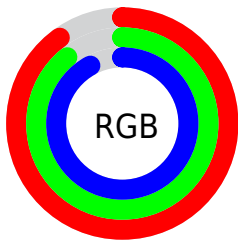
Format	Color
R _Y B	230, 228, 234
Decimal	15131882
CIE Lab	90.89, 1.79, -2.69
CIE LCh	91, 3.233, 303.563
Yxy	78.2503, 0.3103, 0.3227
Android (android.graphics.Color)	4293321962 (0xFFE6E4EA)
YUV	229.2820, 2.3260, 0.6297
Hunter-Lab	88.4592, -2.9713, 2.2740

Details

The Yxy color `78.2503, 0.3103, 0.3227` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `81.6033, 0.3151, 0.3353`, and the grayscale version is `78.5642, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `42.2155, 0.3104, 0.3223` is the 20% darker color. If you saturate the color by 10%, you get `63.8074, 0.3000, 0.2966`, and if you desaturate by 10%, it is `94.6665, 0.3191, 0.3462`.

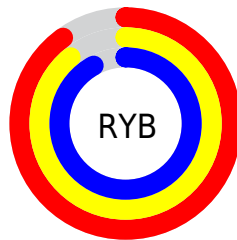
Distribution



Red (90%)

Green (89%)

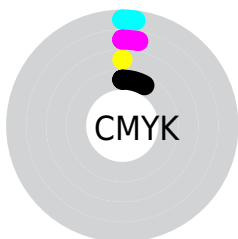
Blue (92%)



Red (90%)

Yellow (89%)

Blue (92%)

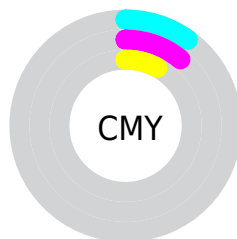


Cyan (2%)

Magenta (3%)

Yellow (0%)

Black (8%)



Cyan (10%)

Magenta (11%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.2503, 0.3103, 0.3227 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 78.2503, 0.3103, 0.3227 by changing the saturation by 10% instead.

■ 78.2503, 0.3103,
0.3227

■ 78.2503, 0.3103,
0.3227

489.0165, 0.3114,
0.3256

■ 58.2796, 0.3100,
0.3221

130.9029, 0.3107,
0.3237

■ 42.0335, 0.3097,
0.3213

164.3536, 0.3108,
0.3241

■ 29.1275, 0.3093,
0.3203

203.0665, 0.3110,
0.3244

■ 19.1773, 0.3088,
0.3190

247.4258, 0.3111,
0.3247

■ 11.7985, 0.3081,
0.3172

297.8161, 0.3112,
0.3250

■ 6.6066, 0.3072,
0.3147

354.6217, 0.3113,

■ 3.2173, 0.3056,

0.3252

0.3109

418.2270, 0.3113,
0.3254

■ 1.2462, 0.3029,
0.3044

■ 0.0990, 0.2585,
0.1858

■ 78.2503, 0.3103,
0.3227

■ 78.2503, 0.3103,
0.3227

■ 63.8074, 0.3000,
0.2966

■ 94.6665, 0.3191,
0.3462

■ 51.2525, 0.2880,
0.2681

■ 98.7216, 0.3250,
0.3493

■ 40.5088, 0.2745,
0.2376

■ 31.4902, 0.2595,
0.2058

■ 24.1035, 0.2434,
0.1740

■ 18.2467, 0.2268,
0.1438

■ 13.8056, 0.2105,
0.1172

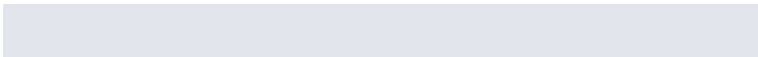
■ 10.6491, 0.1955,
0.0958

■ 8.6205, 0.1826,
0.0809

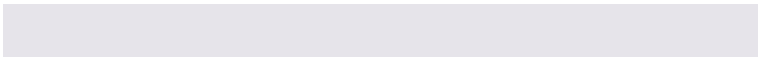
Harmonies

Analogous

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



78.2503, 0.3071, 0.3227



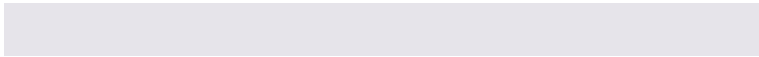
78.2503, 0.3103, 0.3227



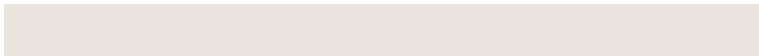
78.2503, 0.3141, 0.3244

Triad

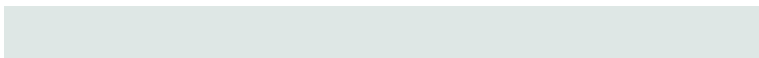
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.2503, 0.3103, 0.3227



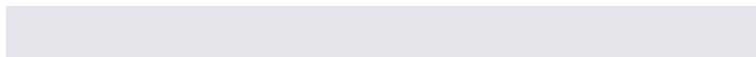
78.2503, 0.3200, 0.3336



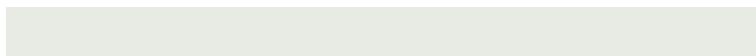
78.2503, 0.3078, 0.3308

Complementary

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



78.2503, 0.3103, 0.3227



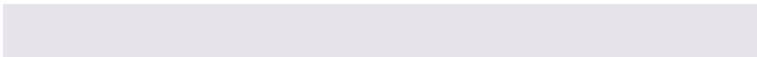
81.6033, 0.3151, 0.3353

Split Complementary

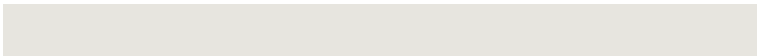
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.2503, 0.3113, 0.3338



78.2503, 0.3103, 0.3227



78.2503, 0.3183, 0.3354

Square

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



78.2503, 0.3103, 0.3227



78.2503, 0.3198, 0.3306



78.2503, 0.3151, 0.3354



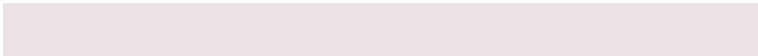
78.2503, 0.3057, 0.3274

Rectangle

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



78.2503, 0.3103, 0.3227



78.2503, 0.3166, 0.3262



78.2503, 0.3151, 0.3354



78.2503, 0.3089, 0.3319

Sweetspot

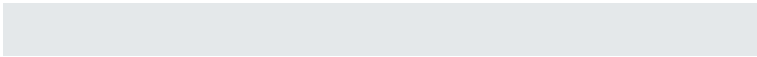
The Sweet Spot groups the original color and five complimentary colors.



78.2537, 0.3103, 0.3227



98.0677, 0.3118, 0.3266



80.1508, 0.3088, 0.3269



21.0109, 0.3118, 0.3267



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.



78.2537, 0.3103, 0.3227



94.2760, 0.3099, 0.3216



78.7466, 0.3123, 0.3227



16.6066, 0.3091, 0.3197



4.3696, 0.1761, 0.0744



0.3947, 0.1913, 0.0827

Inverse Universe

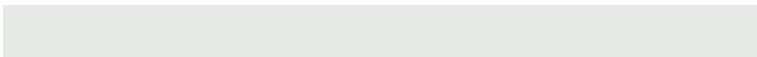
The Inverse Universe completely reimagines the original color for something new.



78.7978, 0.3143, 0.3249



95.0476, 0.3146, 0.3242



81.1133, 0.3131, 0.3353



16.7794, 0.3151, 0.3230



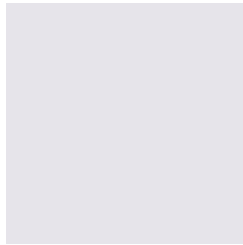
11.1575, 0.4312, 0.2149



0.8941, 0.4120, 0.2043

Previews

White Background



This preview shows how the Yxy color 78.2503, 0.3103, 0.3227 looks on a white background.

Color Contrast Check

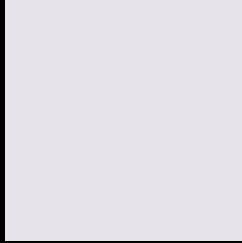
Large Text (above 18pt) WCAG AA × Fail

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 78.2503, 0.3103, 0.3227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

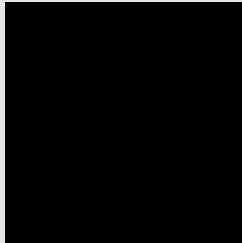
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

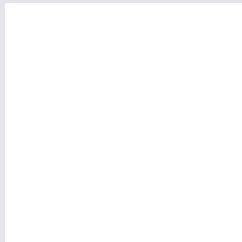
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.2503, 0.3103, 0.3227

Background



This preview shows how black text looks on a background with the Yxy color 78.2503, 0.3103, 0.3227.

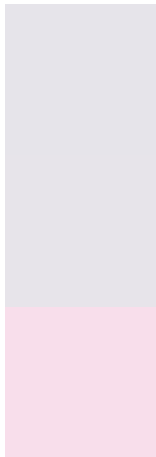


This preview shows how white text looks on a background with the Yxy color 78.2503, 0.3103, 0.3227.

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

78.2503, 0.3103, 0.3227

Protanopia

78.4162, 0.3110, 0.3228

Deuteranopia

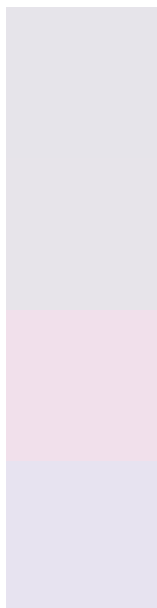
78.1972, 0.3225, 0.3159



Tritanopia

78.0802, 0.3054, 0.3105

Trichromacy



Original Color

78.2503, 0.3103, 0.3227

Protanomaly

78.4162, 0.3110, 0.3228

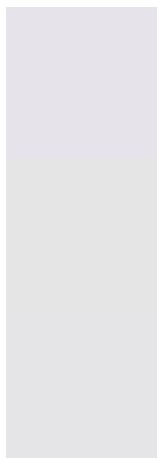
Deuteranomaly

78.0102, 0.3174, 0.3178

Tritanomaly

78.2184, 0.3072, 0.3155

Monochromacy



Original Color

78.2503, 0.3103, 0.3227

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.4662, 0.3114, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.2503, 0.3103, 0.3227 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(230, 228, 234)` looks like.

```
.text, #text, p{  
    color:rgb(230, 228, 234)  
}
```

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(230, 228, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 228, 234) }
```

Border

The CSS property to change the border of an element to Yxy 78.2503, 0.3103, 0.3227 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(230, 228, 234) }
```

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

```
.border{ border-color:rgb(230, 228, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 228, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(230, 228, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(230, 228, 234); box-shadow:4px 4px 4px 4px rgb(230, 228, 234) }
```


Background

The CSS property to change the background color of an element to Yxy 78.2503, 0.3103, 0.3227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 228, 234) }
```

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

```
.background{ background-color: rgb(230,  
228, 234) }
```

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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