

Converting Colors

$Yxy(77.0603, 0.3107, 0.3219)$

Have a look what the booklet for
Yxy(77.0603, 0.3107, 0.3219)
contains.

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Color

Yxy(76.9339, 0.3103, 0.3217)

Conversions

Conversions Part 1

Format	Color
Hex	E5E2E9
RGB	229, 226, 233
RGB Percent	90%, 89%, 91%
CMY	0.1021, 0.1137, 0.0864
CMYK	0.02, 0.03, 0.00, 0.09
HSL	266°, 14%, 90%
HSV	266°, 3%, 91%
XYZ	74.2076, 76.9339, 88.0065
YIQ	227.6950, -0.4590, 2.8130

Conversions

Conversions Part 2

Format	Color
R _Y B	229, 226, 233
Decimal	15065833
CIE Lab	90.29, 2.25, -3.04
CIE LCh	90, 3.784, 306.545
Yxy	76.9339, 0.3103, 0.3217
Android (android.graphics.Color)	4293255913 (0xFFE5E2E9)
YUV	227.6950, 2.6154, 1.1445
Hunter-Lab	87.7120, -2.4783, 1.9093

Details

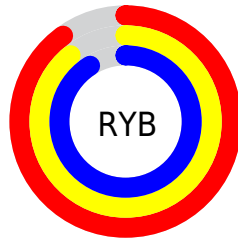
The Yxy color `76.9339, 0.3103, 0.3217` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `80.5784, 0.3151, 0.3363`, and the grayscale version is `77.3279, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `41.2988, 0.3104, 0.3209` is the 20% darker color. If you saturate the color by 10%, you get `62.9973, 0.3013, 0.2957`, and if you desaturate by 10%, it is `92.7683, 0.3179, 0.3453`.

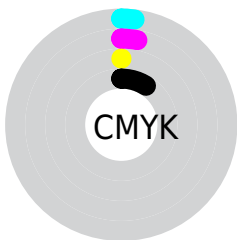
Distribution



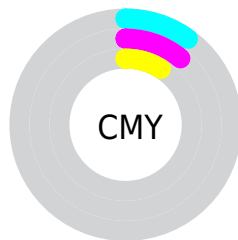
- Red (90%)
- Green (89%)
- Blue (91%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.9339, 0.3103, 0.3217 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 76.9339, 0.3103, 0.3217 by changing the saturation by 10% instead.

■ 76.9339, 0.3103,
0.3217

■ 76.9339, 0.3103,
0.3217

484.5386, 0.3114,
0.3250

■ 57.1986, 0.3100,
0.3209

129.0462, 0.3107,
0.3229

■ 41.1647, 0.3097,
0.3200

162.1920, 0.3108,
0.3233

■ 28.4478, 0.3093,
0.3189

200.5767, 0.3110,
0.3237

■ 18.6635, 0.3088,
0.3173

244.5848, 0.3111,
0.3240

■ 11.4274, 0.3081,
0.3153

294.6006, 0.3112,
0.3243

■ 6.3551, 0.3071,
0.3124

351.0086, 0.3113,

■ 3.0622, 0.3055,

0.3246

0.3079

414.1932, 0.3113,
0.3248

■ 1.1643, 0.3027,
0.3002

■ 0.0322, 0.2343,
0.0882

■ 76.9339, 0.3103,
0.3217

■ 76.9339, 0.3103,
0.3217

■ 62.9973, 0.3013,
0.2957

■ 92.7683, 0.3179,
0.3453

■ 50.8760, 0.2909,
0.2675

■ 98.6615, 0.3256,
0.3503

■ 40.4957, 0.2790,
0.2376

■ 31.7731, 0.2658,
0.2068

■ 24.6182, 0.2515,
0.1762

■ 18.9316, 0.2366,
0.1474

■ 14.6027, 0.2217,
0.1221

■ 11.5038, 0.2076,
0.1018

■ 9.4815, 0.1950,
0.0875

Harmonies

Analogous

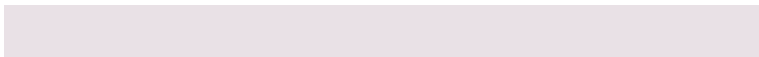
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.9339, 0.3064, 0.3215



76.9339, 0.3103, 0.3217



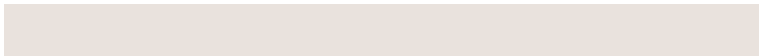
76.9339, 0.3148, 0.3238

Triad

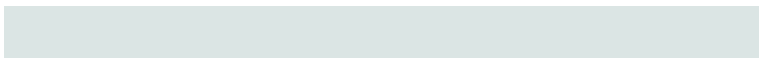
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.9339, 0.3103, 0.3217



76.9339, 0.3212, 0.3347



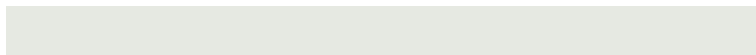
76.9339, 0.3067, 0.3307

Complementary

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



76.9339, 0.3103, 0.3217



80.5784, 0.3151, 0.3363

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.



76.9339, 0.3106, 0.3343



76.9339, 0.3103, 0.3217



76.9339, 0.3190, 0.3366

Square

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



76.9339, 0.3103, 0.3217



76.9339, 0.3212, 0.3313



76.9339, 0.3151, 0.3365



76.9339, 0.3044, 0.3267

Rectangle

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



76.9339, 0.3103, 0.3217



76.9339, 0.3176, 0.3260



76.9339, 0.3151, 0.3365



76.9339, 0.3078, 0.3320

Sweetspot

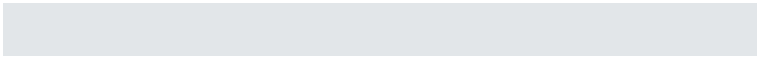
The Sweet Spot groups the original color and five complimentary colors.



76.9372, 0.3103, 0.3217



98.1069, 0.3119, 0.3266



78.6874, 0.3081, 0.3259



21.0189, 0.3120, 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.



76.9372, 0.3103, 0.3217



92.5691, 0.3094, 0.3191



77.5047, 0.3127, 0.3218



16.3282, 0.3088, 0.3173



4.9167, 0.1888, 0.0814



0.4417, 0.2043, 0.0899

Inverse Universe

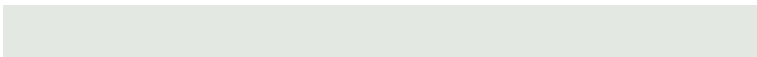
The Inverse Universe completely reimagines the original color for something new.



77.4344, 0.3150, 0.3248



93.3875, 0.3158, 0.3234



80.0186, 0.3128, 0.3363



16.5001, 0.3163, 0.3224



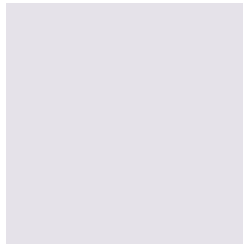
10.8300, 0.4643, 0.2331



0.8696, 0.4389, 0.2192

Previews

White Background



This preview shows how the Yxy color 76.9339, 0.3103, 0.3217 looks on a white background.

Color Contrast Check

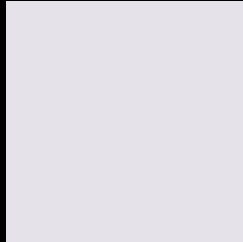
Large Text (above 18pt) WCAG AA × Fail

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 76.9339, 0.3103, 0.3217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

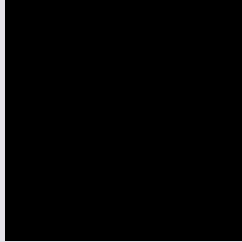
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

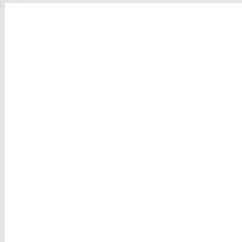
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.9339, 0.3103, 0.3217

Background



This preview shows how black text looks on a background with the Yxy color 76.9339, 0.3103, 0.3217.

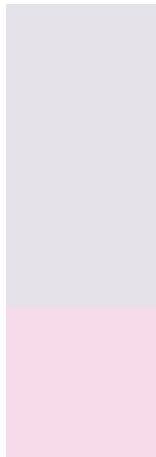


This preview shows how white text looks on a background with the Yxy color 76.9339, 0.3103, 0.3217.

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

76.9339, 0.3103, 0.3217

Protanopia

76.9339, 0.3103, 0.3217

Deuteranopia

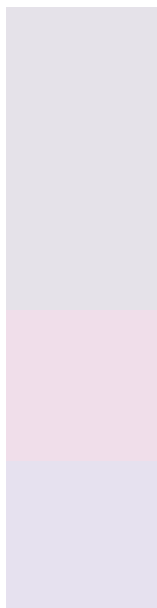
76.7197, 0.3219, 0.3148



Tritanopia

77.0842, 0.3053, 0.3114

Trichromacy



Original Color

76.9339, 0.3103, 0.3217

Protanomaly

76.9339, 0.3103, 0.3217

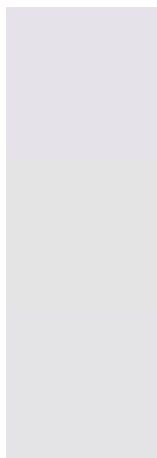
Deuteranomaly

76.7083, 0.3175, 0.3167

Tritanomaly

76.9054, 0.3072, 0.3144

Monochromacy



Original Color

76.9339, 0.3103, 0.3217

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.1453, 0.3115, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9339, 0.3103, 0.3217 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, 226, 233)` looks like.

```
.text, #text, p{  
    color:rgb(229, 226, 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(229, 226, 233) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 76.9339, 0.3103, 0.3217 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, 226, 233) }
```

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

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

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

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

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


Background

The CSS property to change the background color of an element to Yxy 76.9339, 0.3103, 0.3217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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