

Converting Colors

$Y_{xy}(76.6275, 0.3109, 0.3190)$

Have a look what the booklet for
Yxy(76.6275, 0.3109, 0.3190)
contains.

Yxy(76.7799, 0.3111, 0.3196)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.7799, 0.3111, 0.3196)

Conversions

Conversions Part 1

Format	Color
Hex	E7E1EA
RGB	231, 225, 234
RGB Percent	91%, 88%, 92%
CMY	0.0940, 0.1177, 0.0824
CMYK	0.01, 0.04, 0.00, 0.08
HSL	280°, 18%, 90%
HSV	280°, 4%, 92%
XYZ	74.7379, 76.7799, 88.7197
YIQ	227.8200, 0.6870, 4.0710

Conversions

Conversions Part 2

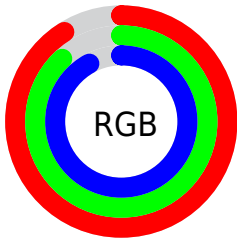
Format	Color
R_{YB}	231, 225, 234
Decimal	15196650
CIE Lab	90.22, 3.65, -3.66
CIE LCh	90, 5.174, 314.912
Yxy	76.7799, 0.3111, 0.3196
Android (android.graphics.Color)	4293386730 (0xFFE7E1EA)
YUV	227.8200, 3.0467, 2.7889
Hunter-Lab	87.6241, -1.0930, 1.3056

Details

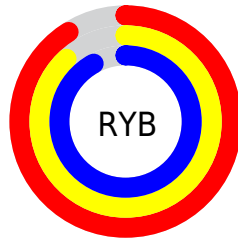
The Yxy color **76.7799, 0.3111, 0.3196** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **80.7684, 0.3143, 0.3385**, and the grayscale version is **77.4262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.0778, 0.3105, 0.3182** is the 20% darker color. If you saturate the color by 10%, you get **63.7309, 0.3063, 0.2940**, and if you desaturate by 10%, it is **91.6258, 0.3151, 0.3435**.

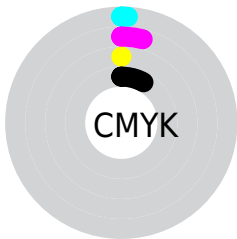
Distribution



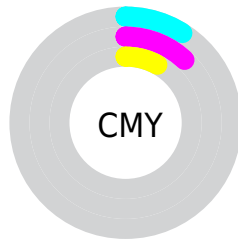
- Red (91%)
- Green (88%)
- Blue (92%)



- Red (91%)
- Yellow (88%)
- Blue (92%)



- Cyan (1%)
- Magenta (4%)
- Yellow (0%)
- Black (8%)



- Cyan (9%)
- Magenta (12%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.7799, 0.3111, 0.3196 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 76.7799, 0.3111, 0.3196 by changing the saturation by 10% instead.

■ 76.7799, 0.3111,
0.3196

■ 76.7799, 0.3111,
0.3196

484.0133, 0.3119,
0.3239

■ 57.0722, 0.3109,
0.3186

128.8287, 0.3114,
0.3211

■ 41.0632, 0.3107,
0.3174

161.9387, 0.3115,
0.3217

■ 28.3685, 0.3104,
0.3160

200.2849, 0.3116,
0.3222

■ 18.6036, 0.3101,
0.3140

244.2518, 0.3116,
0.3226

■ 11.3842, 0.3096,
0.3114

294.2236, 0.3117,
0.3230

■ 6.3259, 0.3089,
0.3077

350.5849, 0.3118,

■ 3.0442, 0.3077,

0.3233

0.3020

413.7200, 0.3118,
0.3236

■ 1.1549, 0.3056,
0.2923

■ 0.0244, 0.2678,
0.0581

■ 76.7799, 0.3111,
0.3196

■ 76.7799, 0.3111,
0.3196

■ 63.7309, 0.3063,
0.2940

■ 91.6258, 0.3151,
0.3435

■ 52.3981, 0.3007,
0.2670

■ 97.1364, 0.3195,
0.3496

■ 42.7093, 0.2942,
0.2392

■ 98.5640, 0.3245,
0.3493

■ 34.5832, 0.2867,
0.2115

■ 98.7204, 0.3250,
0.3493

■ 27.9314, 0.2786,
0.1850

■ 22.6566, 0.2698,
0.1608

■ 18.6495, 0.2608,
0.1403

■ 15.7835, 0.2518,
0.1243

■ 13.9047, 0.2432,
0.1133

Harmonies

Analogous

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



76.7799, 0.3054, 0.3185



76.7799, 0.3111, 0.3196



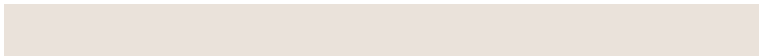
76.7799, 0.3173, 0.3231

Triad

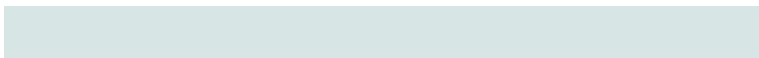
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.7799, 0.3111, 0.3196



76.7799, 0.3238, 0.3377



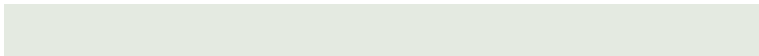
76.7799, 0.3033, 0.3298

Complementary

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



76.7799, 0.3111, 0.3196



80.7684, 0.3143, 0.3385

Split Complementary

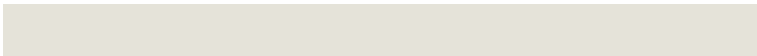
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.7799, 0.3081, 0.3350



76.7799, 0.3111, 0.3196



76.7799, 0.3200, 0.3396

Square

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



76.7799, 0.3111, 0.3196



76.7799, 0.3247, 0.3335



76.7799, 0.3143, 0.3387



76.7799, 0.3009, 0.3243

Rectangle

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



76.7799, 0.3111, 0.3196



76.7799, 0.3208, 0.3264



76.7799, 0.3143, 0.3387



76.7799, 0.3047, 0.3316

Sweetspot

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



76.7832, 0.3111, 0.3196



98.2247, 0.3123, 0.3266



77.4327, 0.3069, 0.3227



21.0428, 0.3123, 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.



76.7832, 0.3111, 0.3196



91.3446, 0.3106, 0.3167



77.1954, 0.3141, 0.3212



16.1434, 0.3103, 0.3150



7.4293, 0.2393, 0.1092



0.6353, 0.2508, 0.1155

Inverse Universe

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



76.9403, 0.3171, 0.3259



91.5949, 0.3185, 0.3250



80.3696, 0.3113, 0.3369



16.1941, 0.3193, 0.3244



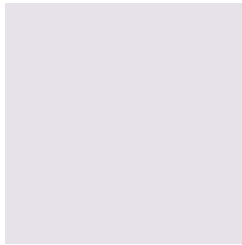
10.1528, 0.5651, 0.2887



0.8144, 0.5261, 0.2672

Previews

White Background



This preview shows how the Yxy color 76.7799, 0.3111, 0.3196 looks on a white background.

Color Contrast Check

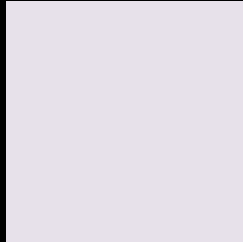
Large Text (above 18pt) WCAG AA × Fail

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 76.7799, 0.3111, 0.3196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

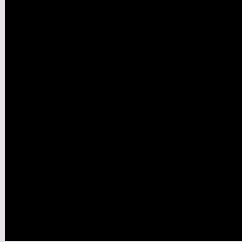
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

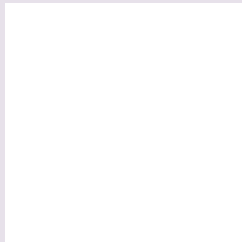
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.7799, 0.3111, 0.3196

Background



This preview shows how black text looks on a background with the Yxy color 76.7799, 0.3111, 0.3196.

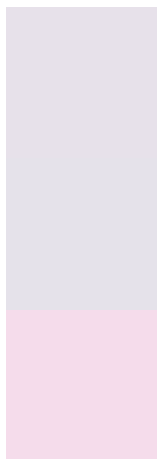


This preview shows how white text looks on a background with the Yxy color 76.7799, 0.3111, 0.3196.

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

76.7799, 0.3111, 0.3196

Protanopia

76.9912, 0.3097, 0.3206

Deuteranopia

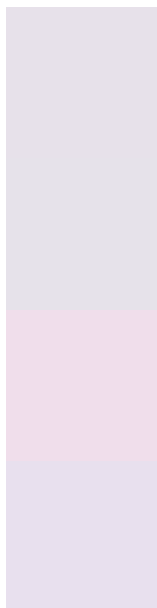
76.5970, 0.3205, 0.3138



Tritanopia

76.8180, 0.3073, 0.3114

Trichromacy



Original Color

76.7799, 0.3111, 0.3196

Protanomaly

77.1562, 0.3103, 0.3206

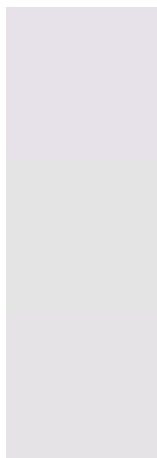
Deuteranomaly

76.7660, 0.3169, 0.3157

Tritanomaly

76.6402, 0.3092, 0.3145

Monochromacy



Original Color

76.7799, 0.3111, 0.3196

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.3094, 0.3122, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7799, 0.3111, 0.3196 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(231, 225, 234)` looks like.

```
.text, #text, p{  
    color:rgb(231, 225, 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(231, 225, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 225, 234) }
```

Border

The CSS property to change the border of an element to Yxy 76.7799, 0.3111, 0.3196 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(231, 225, 234) }
```

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

```
.border{ border-color:rgb(231, 225, 234) }
```

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

Here you see how a box with a 4 pixel rgb(231, 225, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 225, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 225, 234);  
box-shadow:4px 4px 4px 4px rgb(231, 225,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7799, 0.3111, 0.3196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 225, 234) }
```

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

```
.background{ background-color: rgb(231,  
225, 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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