

# Converting Colors

$Yxy(77.1171, 0.3098, 0.3178)$

Have a look what the booklet for  
Yxy(77.1171, 0.3098, 0.3178)  
contains.

<b>Yxy(76.8955, 0.3098, 0.3175)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(76.8955, 0.3098, 0.3175)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7E1EC
RGB	231, 225, 236
RGB Percent	91%, 88%, 93%
CMY	0.0940, 0.1177, 0.0744
CMYK	0.02, 0.05, 0.00, 0.07
HSL	273°, 23%, 90%
HSV	273°, 5%, 93%
XYZ	75.0306, 76.8955, 90.2644
YIQ	228.0480, 0.0450, 4.6930

# Conversions

## Conversions Part 2

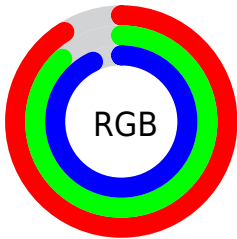
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 225, 236
Decimal	15196652
CIE Lab	90.27, 4.03, -4.65
CIE LCh	90, 6.151, 310.879
Yxy	76.8955, 0.3098, 0.3175
Android (android.graphics.Color)	4293386732 (0xFFE7E1EC)
YUV	228.0480, 3.9203, 2.5889
Hunter-Lab	87.6901, -0.7269, 0.3525

# Details

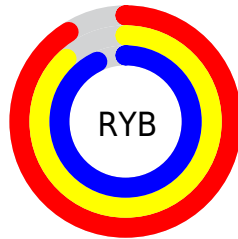
The Yxy color `76.8955, 0.3098, 0.3175` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `82.2639, 0.3155, 0.3405`, and the grayscale version is `77.5965, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `41.1587, 0.3089, 0.3155` is the 20% darker color. If you saturate the color by 10%, you get `63.2828, 0.3027, 0.2914`, and if you desaturate by 10%, it is `92.3873, 0.3158, 0.3415`.

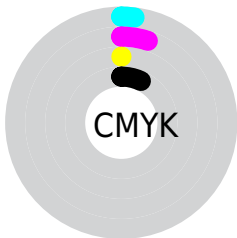
# Distribution



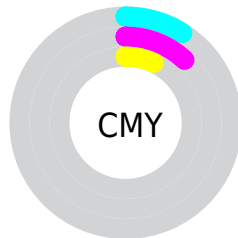
- Red (91%)
- Green (88%)
- Blue (93%)



- Red (91%)
- Yellow (88%)
- Blue (93%)



- Cyan (2%)
- Magenta (5%)
- Yellow (0%)
- Black (7%)



- Cyan (9%)
- Magenta (12%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.8955, 0.3098, 0.3175 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 76.8955, 0.3098, 0.3175 by changing the saturation by 10% instead.



76.8955, 0.3098,  
0.3175

76.8955, 0.3098,  
0.3175

484.4077, 0.3112,  
0.3227

57.1671, 0.3095,  
0.3163

128.9920, 0.3103,  
0.3193

41.1394, 0.3091,  
0.3149

162.1288, 0.3105,  
0.3200

28.4280, 0.3086,  
0.3131

200.5040, 0.3106,  
0.3206

18.6486, 0.3080,  
0.3107

244.5018, 0.3107,  
0.3212

11.4166, 0.3071,  
0.3075

294.5067, 0.3109,  
0.3216

6.3478, 0.3058,  
0.3031

350.9030, 0.3110,

3.0577, 0.3038,

0.3220

0.2962

414.0752, 0.3111,  
0.3224

■ 1.1619, 0.3003,  
0.2845

■ 0.0303, 0.2465,  
0.0587

■ 76.8955, 0.3098,  
0.3175

■ 76.8955, 0.3098,  
0.3175

■ 63.2828, 0.3027,  
0.2914

■ 92.3873, 0.3158,  
0.3415

■ 51.4654, 0.2945,  
0.2636

■ 98.3491, 0.3221,  
0.3474

■ 41.3679, 0.2851,  
0.2346

■ 98.8377, 0.3238,  
0.3473

■ 32.9055, 0.2745,  
0.2052

■ 25.9858, 0.2630,  
0.1768

■ 20.5073, 0.2509,  
0.1505

■ 16.3555, 0.2387,  
0.1280

■ 13.3979, 0.2268,  
0.1103

■ 11.4725, 0.2158,  
0.0981

# Harmonies

## Analogous

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



76.8955, 0.3033, 0.3167



76.8955, 0.3098, 0.3175



76.8955, 0.3172, 0.3213

# Triad

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



76.8955, 0.3098, 0.3175



76.8955, 0.3263, 0.3388



76.8955, 0.3021, 0.3308

# Complementary

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



76.8955, 0.3098, 0.3175



82.2639, 0.3155, 0.3405

# 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.



76.8955, 0.3082, 0.3369



76.8955, 0.3098, 0.3175



76.8955, 0.3222, 0.3415

# Square

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



76.8955, 0.3098, 0.3175



76.8955, 0.3268, 0.3335



76.8955, 0.3155, 0.3409



76.8955, 0.2989, 0.3243



# Rectangle

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



76.8955, 0.3098, 0.3175



76.8955, 0.3216, 0.3251



76.8955, 0.3155, 0.3409



76.8955, 0.3039, 0.3330

# Sweetspot

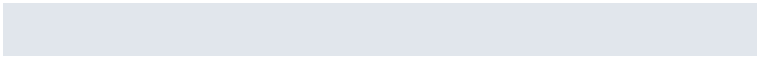
The Sweet Spot groups the original color and five complimentary colors.



76.8988, 0.3098, 0.3175



98.1654, 0.3121, 0.3266



78.7373, 0.3056, 0.3228



21.0308, 0.3121, 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.



76.8988, 0.3098, 0.3175



89.3333, 0.3089, 0.3141



77.7209, 0.3135, 0.3180



15.7971, 0.3085, 0.3126



5.9947, 0.2120, 0.0941



0.5278, 0.2263, 0.1020



# Inverse Universe

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



77.3971, 0.3172, 0.3238



90.0961, 0.3185, 0.3223



81.4692, 0.3119, 0.3402



15.9469, 0.3192, 0.3216



10.4387, 0.5156, 0.2614

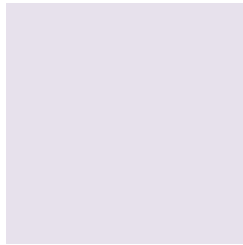


0.8389, 0.4818, 0.2428



# Previews

## White Background



This preview shows how the Yxy color 76.8955, 0.3098, 0.3175 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

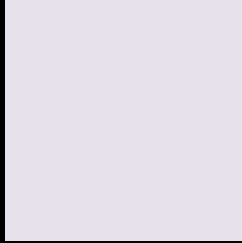
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.8955, 0.3098, 0.3175 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

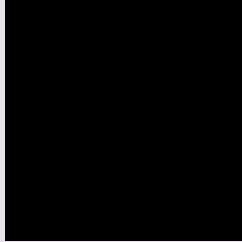
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

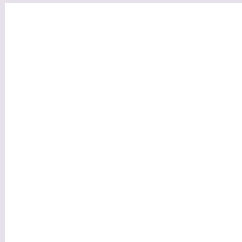
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.8955, 0.3098, 0.3175**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.8955, 0.3098, 0.3175.

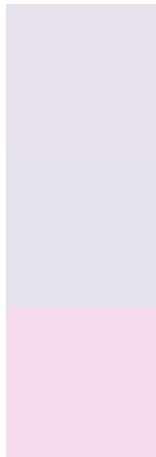


This preview shows how white text looks on a background with the Yxy color 76.8955, 0.3098, 0.3175.

# 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

76.8955, 0.3098, 0.3175

### Protanopia

77.0011, 0.3071, 0.3175

### Deuteranopia

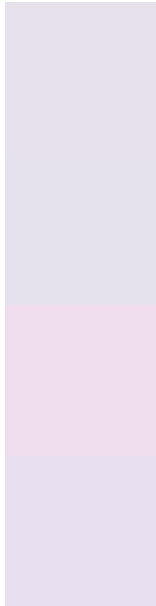
76.7133, 0.3192, 0.3118



## Tritanopia

76.8779, 0.3067, 0.3104

# Trichromacy



## Original Color

76.8955, 0.3098, 0.3175

## Protanomaly

77.1652, 0.3078, 0.3175

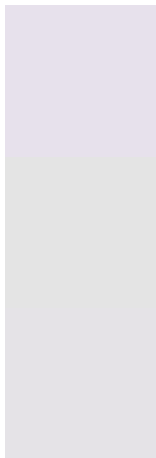
## Deuteranomaly

76.8822, 0.3155, 0.3137

## Tritanomaly

76.7584, 0.3080, 0.3124

# Monochromacy



## Original Color

76.8955, 0.3098, 0.3175

## Achromatopsia

77.5822, 0.3127, 0.3290

## Achromatomaly

77.3657, 0.3115, 0.3248

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.8955, 0.3098, 0.3175 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(231, 225, 236)  
}
```

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, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 225, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 76.8955, 0.3098, 0.3175 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, 236) }
```

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

```
.border{ border-color:rgb(231, 225, 236) }
```

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, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 225, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 225, 236);  
box-shadow:4px 4px 4px 4px rgb(231, 225,  
236) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.8955, 0.3098, 0.3175 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, 236) }
```

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

```
.background{ background-color: rgb(231,  
225, 236) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor