

# Converting Colors

Yxy(75.8652, 0.3104, 0.3150)

Have a look what the booklet for  
Yxy(75.8652, 0.3104, 0.3150)  
contains.

<b>Yxy(75.9873, 0.3106, 0.3155)</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(75.9873, 0.3106, 0.3155)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8DFEC
RGB	232, 223, 236
RGB Percent	91%, 87%, 93%
CMY	0.0901, 0.1255, 0.0746
CMYK	0.02, 0.05, 0.00, 0.07
HSL	282°, 25%, 90%
HSV	282°, 5%, 93%
XYZ	74.8071, 75.9873, 90.0528
YIQ	227.1730, 1.1910, 5.9510

# Conversions

## Conversions Part 2

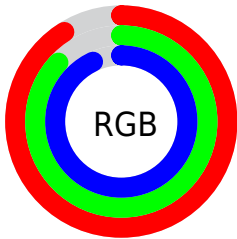
Format	Color
R <sub>Y</sub> B	232, 223, 236
Decimal	15261676
CIE Lab	89.85, 5.38, -5.23
CIE LCh	90, 7.499, 315.804
Yxy	75.9873, 0.3106, 0.3155
Android (android.graphics.Color)	4293451756 (0xFFE8DFEC)
YUV	227.1730, 4.3517, 4.2333
Hunter-Lab	87.1707, 0.6344, -0.2308

# Details

The Yxy color **75.9873, 0.3106, 0.3155** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **81.6204, 0.3147, 0.3426**, and the grayscale version is **76.9180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.5307, 0.3099, 0.3128** is the 20% darker color. If you saturate the color by 10%, you get **63.0707, 0.3062, 0.2897**, and if you desaturate by 10%, it is **90.7165, 0.3143, 0.3397**.

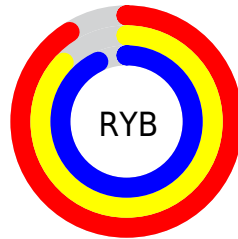
# Distribution



Red (91%)

Green (87%)

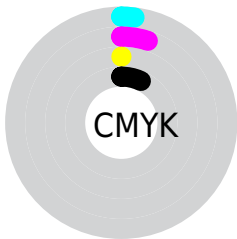
Blue (93%)



Red (91%)

Yellow (87%)

Blue (93%)

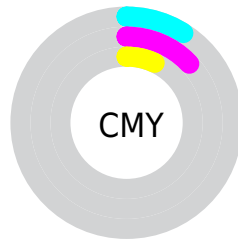


Cyan (2%)

Magenta (5%)

Yellow (0%)

Black (7%)



Cyan (9%)

Magenta (13%)


Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.9873, 0.3106, 0.3155 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 75.9873, 0.3106, 0.3155 by changing the saturation by 10% instead.




 75.9873, 0.3106,  
0.3155

 75.9873, 0.3106,  
0.3155


481.3042, 0.3116,  
0.3217

 56.4221, 0.3104,  
0.3141


127.7090, 0.3110,  
0.3176

 40.5414, 0.3101,  
0.3124


160.6342, 0.3111,  
0.3184

 27.9610, 0.3097,  
0.3103


198.7816, 0.3112,  
0.3192

 18.2962, 0.3092,  
0.3075

242.5355, 0.3113,  
0.3198

 11.1629, 0.3085,  
0.3038

292.2803, 0.3114,  
0.3203

 6.1765, 0.3075,  
0.2985

348.4004, 0.3115,

 2.9527, 0.3060,

0.3208

0.2905

411.2803, 0.3115,  
0.3213

■ 1.1071, 0.3030,  
0.2767

■ 0.0000, 0.2498,  
0.0000

■ 75.9873, 0.3106,  
0.3155

■ 75.9873, 0.3106,  
0.3155

■ 63.0707, 0.3062,  
0.2897

■ 90.7165, 0.3143,  
0.3397

■ 51.8842, 0.3009,  
0.2627

■ 97.2353, 0.3183,  
0.3477

■ 42.3532, 0.2948,  
0.2351

■ 98.5613, 0.3229,  
0.3474

■ 34.3938, 0.2879,  
0.2078

■ 98.8341, 0.3238,  
0.3474

■ 27.9147, 0.2803,  
0.1820

■ 22.8148, 0.2722,  
0.1589

■ 18.9803, 0.2639,  
0.1396

■ 16.2785, 0.2556,  
0.1249

■ 14.5460, 0.2476,  
0.1152

# Harmonies

## Analogous

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



75.9873, 0.3023, 0.3138



75.9873, 0.3106, 0.3155



75.9873, 0.3196, 0.3206

# Triad

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



75.9873, 0.3106, 0.3155



75.9873, 0.3288, 0.3418



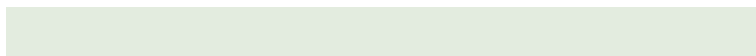
75.9873, 0.2989, 0.3298

# Complementary

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



75.9873, 0.3106, 0.3155



81.6204, 0.3147, 0.3426

# Split Complementary

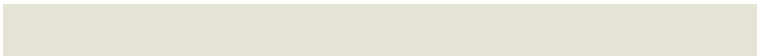
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.9873, 0.3058, 0.3376



75.9873, 0.3106, 0.3155



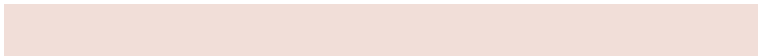
75.9873, 0.3231, 0.3445

# Square

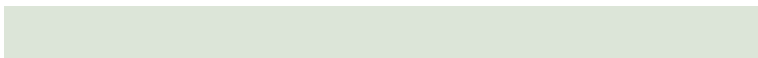
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.9873, 0.3106, 0.3155



75.9873, 0.3302, 0.3357



75.9873, 0.3147, 0.3430



75.9873, 0.2956, 0.3219



# Rectangle

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



75.9873, 0.3106, 0.3155



75.9873, 0.3247, 0.3254



75.9873, 0.3147, 0.3430



75.9873, 0.3008, 0.3326

# Sweetspot

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



75.9906, 0.3106, 0.3155



96.4960, 0.3120, 0.3241



76.7396, 0.3043, 0.3196



20.6908, 0.3120, 0.3244



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.



75.9906, 0.3106, 0.3155



88.1199, 0.3100, 0.3116



76.5207, 0.3149, 0.3181



15.6062, 0.3097, 0.3103



7.7718, 0.2454, 0.1125



0.6603, 0.2561, 0.1184



# Inverse Universe

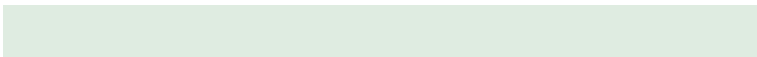
The Inverse Universe completely reimagines the original color for something new.



76.1470, 0.3193, 0.3249



88.3610, 0.3213, 0.3237



81.1158, 0.3106, 0.3402



15.6528, 0.3220, 0.3233



10.1064, 0.5744, 0.2938

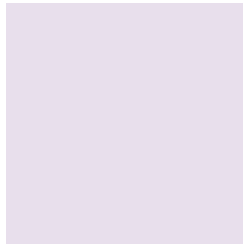


0.8102, 0.5351, 0.2721



# Previews

## White Background



This preview shows how the Yxy color 75.9873, 0.3106, 0.3155 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

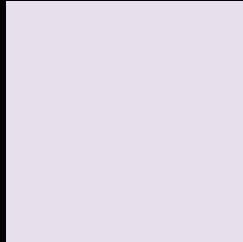
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.9873, 0.3106, 0.3155 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

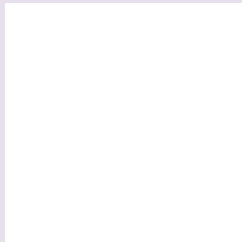
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.9873, 0.3106, 0.3155**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.9873, 0.3106, 0.3155.

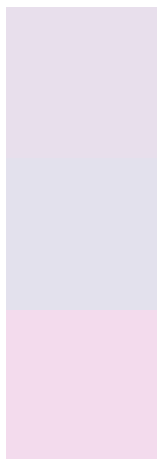


This preview shows how white text looks on a background with the Yxy color 75.9873, 0.3106, 0.3155.

# 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

75.9873, 0.3106, 0.3155

### Protanopia

76.2957, 0.3064, 0.3164

### Deuteranopia

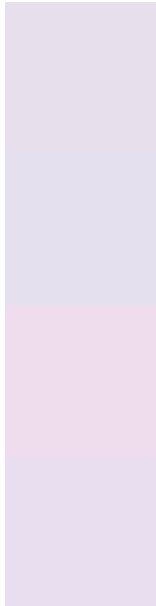
75.8321, 0.3178, 0.3107



## Tritanopia

75.8575, 0.3087, 0.3104

# Trichromacy



## Original Color

75.9873, 0.3106, 0.3155

## Protanomaly

76.0837, 0.3078, 0.3154

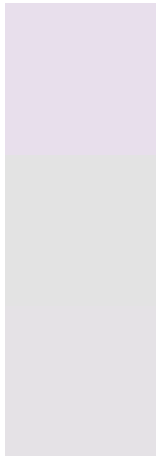
## Deuteranomaly

75.6515, 0.3149, 0.3116

## Tritanomaly

75.7982, 0.3094, 0.3114

# Monochromacy



## Original Color

75.9873, 0.3106, 0.3155

## Achromatopsia

76.8151, 0.3127, 0.3290

## Achromatomaly

76.7639, 0.3122, 0.3248

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.9873, 0.3106, 0.3155 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(232, 223, 236)` looks like.

```
.text, #text, p{  
    color:rgb(232, 223, 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(232, 223, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 223, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 75.9873, 0.3106, 0.3155 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(232, 223, 236) }
```

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

```
.border{ border-color:rgb(232, 223, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 223, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 223, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 223, 236);  
box-shadow:4px 4px 4px 4px rgb(232, 223,  
236) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.9873, 0.3106, 0.3155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 223, 236) }
```

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

```
.background{ background-color: rgb(232,  
223, 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](#).

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