

# Converting Colors

Yxy(70.8862, 0.3129, 0.3109)

Have a look what the booklet for  
Yxy(70.8862, 0.3129, 0.3109)  
contains.

<b>Yxy(70.6857, 0.3128, 0.3110)</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(70.6857, 0.3128, 0.3110)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6D6E7
RGB	230, 214, 231
RGB Percent	90%, 84%, 91%
CMY	0.0982, 0.1607, 0.0941
CMYK	0.00, 0.07, 0.00, 0.09
HSL	296°, 26%, 87%
HSV	296°, 7%, 91%
XYZ	71.0948, 70.6857, 85.5047
YIQ	220.7220, 4.0790, 8.6790

# Conversions

## Conversions Part 2

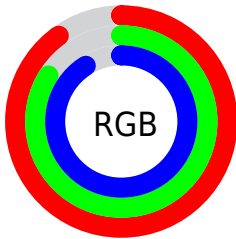
Format	Color
R <sub>Y</sub> B	230, 214, 231
Decimal	15128295
CIE Lab	87.33, 8.48, -6.36
CIE LCh	87, 10.599, 323.126
Yxy	70.6857, 0.3128, 0.3110
Android (android.graphics.Color)	4293318375 (0xFFE6D6E7)
YUV	220.7220, 5.0671, 8.1368
Hunter-Lab	84.0748, 3.8112, -1.4460

# Details

The Yxy color **70.6857, 0.3128, 0.3110** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76.4710, 0.3126, 0.3476**, and the grayscale version is **72.0620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.8901, 0.3128, 0.3070** is the 20% darker color. If you saturate the color by 10%, you get **59.5767, 0.3128, 0.2858**, and if you desaturate by 10%, it is **83.4609, 0.3127, 0.3353**.

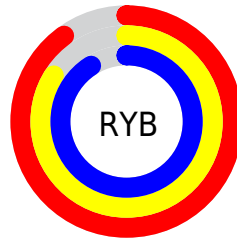
# Distribution



Red (90%)

Green (84%)

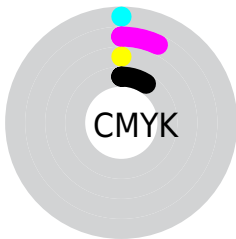
Blue (91%)



Red (90%)

Yellow (84%)

Blue (91%)

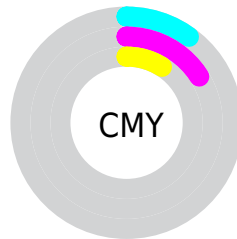


Cyan (0%)

Magenta (7%)

Yellow (0%)

Black (9%)



Cyan (10%)

Magenta (16%)


Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.6857, 0.3128, 0.3110 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 70.6857, 0.3128, 0.3110 by changing the saturation by 10% instead.



 70.6857, 0.3128,  
0.3110

 70.6857, 0.3128,  
0.3110


462.9540, 0.3128,  
0.3193

 52.0857, 0.3128,  
0.3091


120.1861, 0.3128,  
0.3139

 37.0734, 0.3128,  
0.3068


151.8553, 0.3128,  
0.3150

 25.2643, 0.3127,  
0.3039


188.6498, 0.3128,  
0.3159

 16.2741, 0.3127,  
0.3001

230.9538, 0.3128,  
0.3168

 9.7183, 0.3125,  
0.2950

279.1519, 0.3128,  
0.3175

 5.2126, 0.3123,  
0.2876

333.6283, 0.3128,

 2.3725, 0.3118,

0.3182

0.2762

394.7675, 0.3128,  
0.3187

■ 0.8117, 0.3107,  
0.2557

■ 0.0000, 0.0000,  
0.0000

■ 70.6857, 0.3128,  
0.3110

■ 70.6857, 0.3128,  
0.3110

■ 59.5767, 0.3128,  
0.2858

■ 83.4609, 0.3127,  
0.3353

■ 50.0555, 0.3126,  
0.2603

■ 94.5827, 0.3127,  
0.3532

■ 42.0506, 0.3123,  
0.2354

■ 94.8237, 0.3136,  
0.3532

■ 35.4819, 0.3117,  
0.2120

■ 95.0666, 0.3145,  
0.3531

30.2617, 0.3108,  
0.1911

95.3114, 0.3154,  
0.3530

26.2927, 0.3098,  
0.1736

95.5583, 0.3163,  
0.3530

23.4647, 0.3086,  
0.1603

95.8070, 0.3172,  
0.3529

21.6482, 0.3072,  
0.1513

96.0578, 0.3181,  
0.3528

20.6719, 0.3057,  
0.1465

96.3105, 0.3190,  
0.3528

# Harmonies

## Analogous

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



70.6857, 0.3003, 0.3072



70.6857, 0.3128, 0.3110



70.6857, 0.3255, 0.3193

# Triad

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



70.6857, 0.3128, 0.3110



70.6857, 0.3345, 0.3490



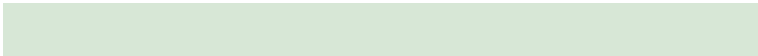
70.6857, 0.2910, 0.3272

# Complementary

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



70.6857, 0.3128, 0.3110



76.4710, 0.3126, 0.3476

# 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.



70.6857, 0.2999, 0.3389



70.6857, 0.3128, 0.3110



70.6857, 0.3249, 0.3516

# Square

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



70.6857, 0.3128, 0.3110



70.6857, 0.3382, 0.3410



70.6857, 0.3122, 0.3480



70.6857, 0.2879, 0.3162



# Rectangle

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



70.6857, 0.3128, 0.3110



70.6857, 0.3323, 0.3264



70.6857, 0.3122, 0.3480



70.6857, 0.2934, 0.3312

# Sweetspot

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



70.6887, 0.3128, 0.3110



96.7294, 0.3127, 0.3241



68.7466, 0.3014, 0.3116



20.7383, 0.3127, 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.



70.6887, 0.3128, 0.3110



85.9534, 0.3128, 0.3068



70.4555, 0.3186, 0.3188



14.5675, 0.3128, 0.3058



11.5013, 0.3055, 0.1457



0.8637, 0.3079, 0.1470



# Inverse Universe

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



70.0026, 0.3245, 0.3279



84.9114, 0.3275, 0.3276



76.6974, 0.3072, 0.3395



14.3824, 0.3283, 0.3276



9.5485, 0.6333, 0.3262

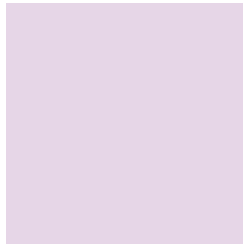


0.7107, 0.6150, 0.3162



# Previews

## White Background



This preview shows how the Yxy color 70.6857, 0.3128, 0.3110 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

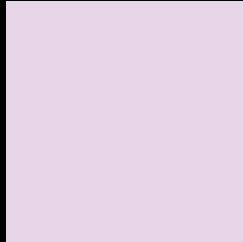
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.6857, 0.3128, 0.3110 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

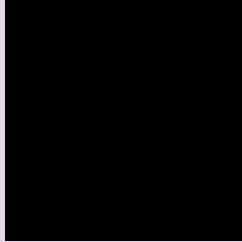
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

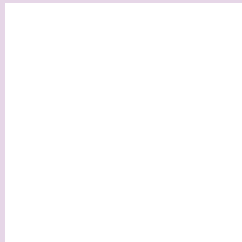
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.6857, 0.3128, 0.3110**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.6857, 0.3128, 0.3110.

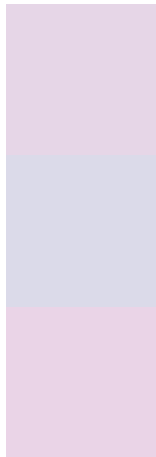


This preview shows how white text looks on a background with the Yxy color 70.6857, 0.3128, 0.3110.

# 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

70.6857, 0.3128, 0.3110

### Protanopia

71.0861, 0.3036, 0.3128

### Deuteranopia

70.3489, 0.3158, 0.3090



## Tritanopia

70.6857, 0.3128, 0.3110

# Trichromacy



## Original Color

70.6857, 0.3128, 0.3110

## Protanomaly

71.1399, 0.3071, 0.3129

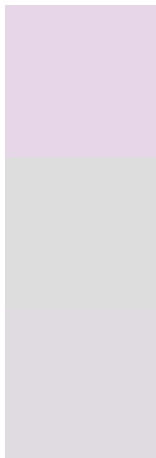
## Deuteranomaly

70.6817, 0.3151, 0.3101

## Tritanomaly

70.6857, 0.3128, 0.3110

# Monochromacy



## Original Color

70.6857, 0.3128, 0.3110

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

71.4263, 0.3124, 0.3215

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.6857, 0.3128, 0.3110 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, 214, 231)` looks like.

```
.text, #text, p{  
    color:rgb(230, 214, 231)  
}
```

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, 214, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 214, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 70.6857, 0.3128, 0.3110 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, 214, 231) }
```

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

```
.border{ border-color:rgb(230, 214, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 214, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 214, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 214, 231);  
box-shadow:4px 4px 4px 4px rgb(230, 214,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.6857, 0.3128, 0.3110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 214, 231) }
```

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

```
.background{ background-color: rgb(230,  
214, 231) }
```

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