

# Converting Colors

$Y_{xy}(70.0137, 0.3177, 0.3162)$

Have a look what the booklet for  
Yxy(70.0137, 0.3177, 0.3162)  
contains.

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# Color

**Yxy(70.0137, 0.3177, 0.3162)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7D5E1
RGB	231, 213, 225
RGB Percent	91%, 84%, 88%
CMY	0.0941, 0.1647, 0.1175
CMYK	0.00, 0.08, 0.03, 0.09
HSL	320°, 27%, 87%
HSV	320°, 8%, 91%
XYZ	70.3458, 70.0137, 81.0627
YIQ	219.7500, 6.8760, 7.5480

# Conversions

## Conversions Part 2

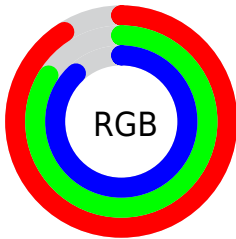
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 213, 225
Decimal	15193569
CIE Lab	87.00, 8.29, -3.67
CIE LCh	87, 9.072, 336.111
Yxy	70.0137, 0.3177, 0.3162
Android (android.graphics.Color)	4293383649 (0xFFE7D5E1)
YUV	219.7500, 2.5882, 9.8663
Hunter-Lab	83.6742, 3.6371, 1.1324

# Details

The Yxy color  $70.0137, 0.3177, 0.3162$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $76.4179, 0.3081, 0.3421$ , and the grayscale version is  $71.3687, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $36.4700, 0.3183, 0.3124$  is the 20% darker color. If you saturate the color by 10%, you get  $58.8021, 0.3251, 0.2991$ , and if you desaturate by 10%, it is  $82.9055, 0.3114, 0.3325$ .

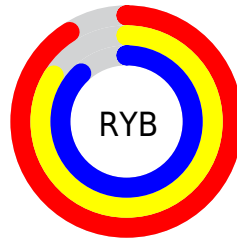
# Distribution



Red (91%)

Green (84%)

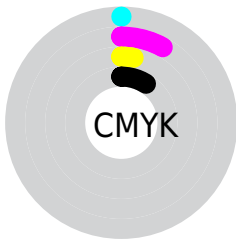
Blue (88%)



Red (91%)

Yellow (84%)

Blue (88%)

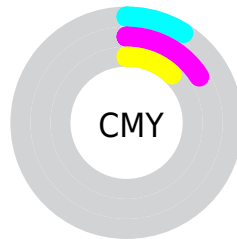


Cyan (0%)

Magenta (8%)

Yellow (3%)

Black (9%)



Cyan (9%)

Magenta (16%)


Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0137, 0.3177, 0.3162 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 70.0137, 0.3177, 0.3162 by changing the saturation by 10% instead.




 70.0137, 0.3177,  
0.3162

 70.0137, 0.3177,  
0.3162

460.5981, 0.3154,  
0.3221

 51.5377, 0.3182,  
0.3149


119.2283, 0.3169,  
0.3182

 36.6367, 0.3189,  
0.3132


150.7357, 0.3166,  
0.3190

 24.9263, 0.3197,  
0.3111


187.3556, 0.3163,  
0.3197

 16.0222, 0.3207,  
0.3083


229.4726, 0.3161,  
0.3203

 9.5399, 0.3222,  
0.3046

277.4709, 0.3159,  
0.3209

 5.0950, 0.3242,  
0.2992

331.7350, 0.3157,

 2.3031, 0.3275,

0.3213

0.2907

392.6493, 0.3156,  
0.3217

0.7753, 0.3337,  
0.2743

0.0000, 0.0000,  
0.0000

70.0137, 0.3177,  
0.3162

70.0137, 0.3177,  
0.3162

58.8021, 0.3251,  
0.2991

82.9055, 0.3114,  
0.3325

49.1917, 0.3339,  
0.2815

94.8242, 0.3063,  
0.3437

41.1107, 0.3440,  
0.2641

95.2906, 0.3020,  
0.3359

34.4783, 0.3555,  
0.2475

95.7309, 0.2982,  
0.3290

■ 29.2062, 0.3684,  
0.2328

■ 25.1964, 0.3822,  
0.2210

■ 22.3377, 0.3967,  
0.2133

■ 20.4993, 0.4113,  
0.2105

■ 19.5022, 0.4255,  
0.2127

# Harmonies

## Analogous

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



70.0137, 0.3065, 0.3111



70.0137, 0.3177, 0.3162



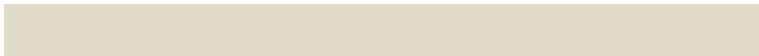
70.0137, 0.3277, 0.3246

# Triad

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



70.0137, 0.3177, 0.3162



70.0137, 0.3284, 0.3478



70.0137, 0.2922, 0.3232

# Complementary

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



70.0137, 0.3177, 0.3162



76.4179, 0.3081, 0.3421

# 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.



70.0137, 0.2979, 0.3333



70.0137, 0.3177, 0.3162



70.0137, 0.3187, 0.3477

# Square

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



70.0137, 0.3177, 0.3162



70.0137, 0.3339, 0.3428



70.0137, 0.3075, 0.3424



70.0137, 0.2919, 0.3149



# Rectangle

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



70.0137, 0.3177, 0.3162



70.0137, 0.3323, 0.3310



70.0137, 0.3075, 0.3424



70.0137, 0.2935, 0.3265

# Sweetspot

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



70.0167, 0.3177, 0.3162



96.6805, 0.3139, 0.3258



68.3720, 0.3048, 0.3094



20.7284, 0.3139, 0.3259



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.



70.0167, 0.3177, 0.3162



85.7404, 0.3186, 0.3141



69.5522, 0.3238, 0.3255



14.5296, 0.3188, 0.3134



10.8620, 0.4265, 0.2123



0.8197, 0.4072, 0.2017



# Inverse Universe

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



70.0167, 0.3177, 0.3162



85.7404, 0.3186, 0.3141



76.8899, 0.3027, 0.3325



14.5296, 0.3188, 0.3134



10.8620, 0.4265, 0.2123

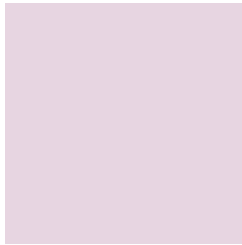


0.8197, 0.4072, 0.2017



# Previews

## White Background



This preview shows how the Yxy color 70.0137, 0.3177, 0.3162 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

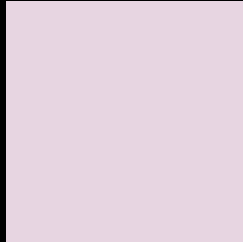
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.0137, 0.3177, 0.3162 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

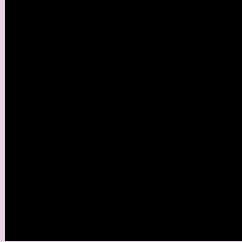
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

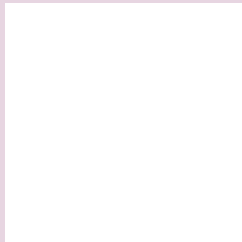
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.0137, 0.3177, 0.3162**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.0137, 0.3177, 0.3162.

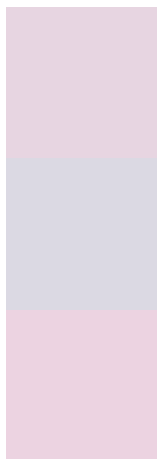


This preview shows how white text looks on a background with the Yxy color 70.0137, 0.3177, 0.3162.

# 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

70.0137, 0.3177, 0.3162

### Protanopia

70.2318, 0.3075, 0.3181

### Deuteranopia

69.8576, 0.3216, 0.3143



## Tritanopia

69.8999, 0.3158, 0.3110

# Trichromacy



## Original Color

70.0137, 0.3177, 0.3162

## Protanomaly

70.2907, 0.3111, 0.3182

## Deuteranomaly

70.0156, 0.3200, 0.3153

## Tritanomaly

69.8442, 0.3164, 0.3121

# Monochromacy



## Original Color

70.0137, 0.3177, 0.3162

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

70.7469, 0.3144, 0.3236

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.0137, 0.3177, 0.3162 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, 213, 225)` looks like.

```
.text, #text, p{  
    color:rgb(231, 213, 225)  
}
```

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, 213, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 213, 225) }
```

## Border

The CSS property to change the border of an element to Yxy 70.0137, 0.3177, 0.3162 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, 213, 225) }
```

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

```
.border{ border-color:rgb(231, 213, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 213, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 213, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 213, 225);  
box-shadow:4px 4px 4px 4px rgb(231, 213,  
225) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.0137, 0.3177, 0.3162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 213, 225) }
```

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

```
.background{ background-color: rgb(231,  
213, 225) }
```

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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