

# Converting Colors

$Y_{xy}(70.5722, 0.3160, 0.3177)$

Have a look what the booklet for  
Yxy(70.5722, 0.3160, 0.3177)  
contains.

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# Color

**Yxy(70.6951, 0.3161, 0.3183)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E5D7E1
RGB	229, 215, 225
RGB Percent	90%, 84%, 88%
CMY	0.1020, 0.1568, 0.1175
CMYK	0.00, 0.06, 0.02, 0.10
HSL	317°, 21%, 87%
HSV	317°, 6%, 90%
XYZ	70.2065, 70.6951, 81.2005
YIQ	220.3260, 5.1340, 6.0780

# Conversions

## Conversions Part 2

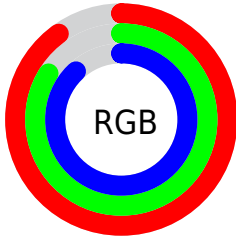
Format	Color
R <sub>Y</sub> B	229, 215, 225
Decimal	15063009
CIE Lab	87.34, 6.56, -3.20
CIE LCh	87, 7.300, 333.981
Yxy	70.6951, 0.3161, 0.3183
Android (android.graphics.Color)	4293253089 (0xFFE5D7E1)
YUV	220.3260, 2.3043, 7.6071
Hunter-Lab	84.0804, 1.9055, 1.5970

# Details

The Yxy color **70.6951, 0.3161, 0.3183** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.5978, 0.3095, 0.3399**, and the grayscale version is **71.7932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.0426, 0.3172, 0.3151** is the 20% darker color. If you saturate the color by 10%, you get **59.4927, 0.3224, 0.3001**, and if you desaturate by 10%, it is **83.5494, 0.3107, 0.3356**.

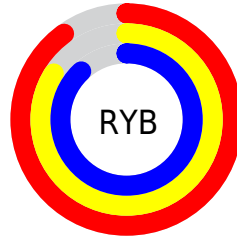
# Distribution



Red (90%)

Green (84%)

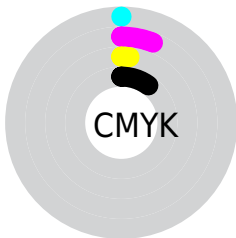
Blue (88%)



Red (90%)

Yellow (84%)

Blue (88%)

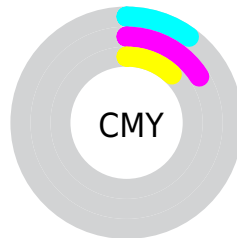


Cyan (0%)

Magenta (6%)

Yellow (2%)

Black (10%)



Cyan (10%)

Magenta (16%)


Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.6951, 0.3161, 0.3183 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 70.6951, 0.3161, 0.3183 by changing the saturation by 10% instead.




 70.6951, 0.3161,  
0.3183

 70.6951, 0.3161,  
0.3183


462.9869, 0.3146,  
0.3232

 52.0934, 0.3165,  
0.3172


120.1995, 0.3156,  
0.3200

 37.0795, 0.3169,  
0.3158


151.8710, 0.3154,  
0.3207

 25.2691, 0.3174,  
0.3140


188.6678, 0.3152,  
0.3213

 16.2776, 0.3181,  
0.3117

230.9745, 0.3150,  
0.3218

 9.7208, 0.3191,  
0.3086

279.1753, 0.3149,  
0.3222

 5.2143, 0.3205,  
0.3040

333.6548, 0.3148,

 2.3735, 0.3227,

0.3226

0.2969

394.7971, 0.3146,  
0.3229

0.8122, 0.3267,  
0.2837

0.0000, 0.0000,  
0.0000

70.6951, 0.3161,  
0.3183

70.6951, 0.3161,  
0.3183

59.4927, 0.3224,  
0.3001

83.5494, 0.3107,  
0.3356

49.8654, 0.3298,  
0.2815

94.3514, 0.3064,  
0.3462

41.7441, 0.3383,  
0.2629

94.7399, 0.3027,  
0.3395

35.0507, 0.3479,  
0.2451

95.1423, 0.2992,  
0.3330

■ 29.7004, 0.3585,  
0.2290

■ 95.3976, 0.2970,  
0.3290

■ 25.5992, 0.3700,  
0.2158

■ 22.6408, 0.3818,  
0.2065

■ 20.7013, 0.3938,  
0.2019

■ 19.6267, 0.4054,  
0.2022

# Harmonies

## Analogous

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



70.6951, 0.3071, 0.3144



70.6951, 0.3161, 0.3183



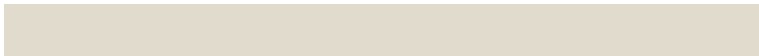
70.6951, 0.3243, 0.3249

# Triad

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



70.6951, 0.3161, 0.3183



70.6951, 0.3257, 0.3439



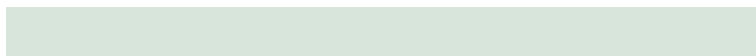
70.6951, 0.2964, 0.3249

# Complementary

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



70.6951, 0.3161, 0.3183



75.5978, 0.3095, 0.3399

# 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.



70.6951, 0.3013, 0.3330



70.6951, 0.3161, 0.3183



70.6951, 0.3181, 0.3441

# Square

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



70.6951, 0.3161, 0.3183



70.6951, 0.3299, 0.3397



70.6951, 0.3092, 0.3401



70.6951, 0.2959, 0.3181



# Rectangle

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



70.6951, 0.3161, 0.3183



70.6951, 0.3281, 0.3301



70.6951, 0.3092, 0.3401



70.6951, 0.2976, 0.3276

# Sweetspot

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



70.6982, 0.3161, 0.3183



96.6963, 0.3138, 0.3255



69.3148, 0.3062, 0.3138



20.7316, 0.3137, 0.3257



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.



70.6982, 0.3161, 0.3183



88.8137, 0.3166, 0.3166



70.3240, 0.3209, 0.3258



15.0207, 0.3170, 0.3157



11.0802, 0.4082, 0.2022



0.8345, 0.3925, 0.1936



# Inverse Universe

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



70.6982, 0.3161, 0.3183



88.8137, 0.3166, 0.3166



75.9740, 0.3051, 0.3323



15.0207, 0.3170, 0.3157



11.0802, 0.4082, 0.2022

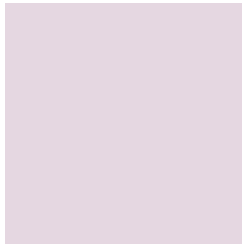


0.8345, 0.3925, 0.1936



# Previews

## White Background



This preview shows how the Yxy color 70.6951, 0.3161, 0.3183 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

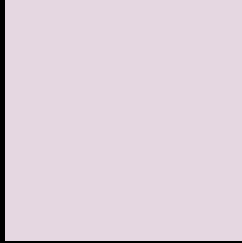
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.6951, 0.3161, 0.3183 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

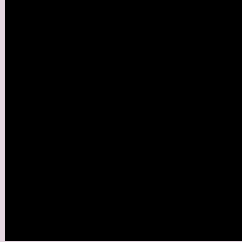
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

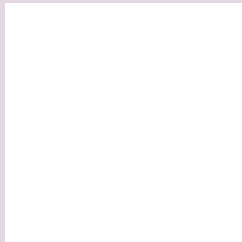
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.6951, 0.3161, 0.3183**

## Background



This preview shows how black text looks on a background with the Yxy color 70.6951, 0.3161, 0.3183.

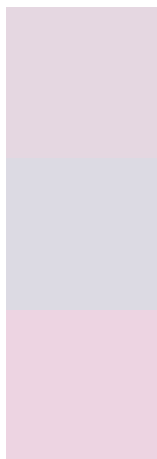


This preview shows how white text looks on a background with the Yxy color 70.6951, 0.3161, 0.3183.

# 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

70.6951, 0.3161, 0.3183

### Protanopia

70.9045, 0.3082, 0.3192

### Deuteranopia

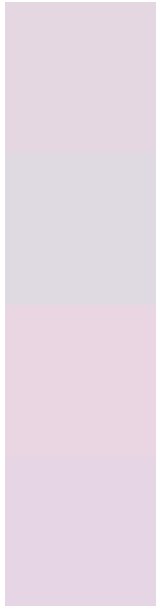
70.5825, 0.3215, 0.3143



## Tritanopia

70.6857, 0.3128, 0.3110

# Trichromacy



## Original Color

70.6951, 0.3161, 0.3183

## Protanomaly

70.8047, 0.3110, 0.3193

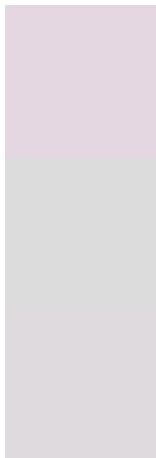
## Deuteranomaly

70.5719, 0.3192, 0.3153

## Tritanomaly

70.5733, 0.3142, 0.3131

# Monochromacy



## Original Color

70.6951, 0.3161, 0.3183

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

71.1047, 0.3136, 0.3247

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.6951, 0.3161, 0.3183 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(229, 215, 225)` looks like.

```
.text, #text, p{  
    color:rgb(229, 215, 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(229, 215, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 215, 225) }
```

## Border

The CSS property to change the border of an element to Yxy 70.6951, 0.3161, 0.3183 is called "border". The border property can be set on classes, ids or directly on the HTML element.

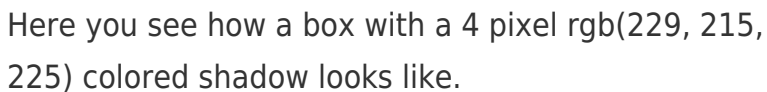
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(229, 215, 225) }
```

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

```
.border{ border-color:rgb(229, 215, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(229, 215, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 215, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 215, 225); box-shadow:4px 4px 4px 4px rgb(229, 215, 225) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.6951, 0.3161, 0.3183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 215, 225) }
```

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

```
.background{ background-color: rgb(229,  
215, 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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