

Converting Colors

$Y_{xy}(71.8752, 0.3107, 0.3100)$

Have a look what the booklet for
Yxy(71.8752, 0.3107, 0.3100)
contains.

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Color

Yxy(71.8752, 0.3107, 0.3100)

Conversions

Conversions Part 1

Format	Color
Hex	E6D8EA
RGB	230, 216, 234
RGB Percent	90%, 85%, 92%
CMY	0.0981, 0.1529, 0.0822
CMYK	0.02, 0.08, 0.00, 0.08
HSL	286°, 30%, 88%
HSV	286°, 8%, 92%
XYZ	72.0375, 71.8752, 87.9428
YIQ	222.2380, 2.5660, 8.5660

Conversions

Conversions Part 2

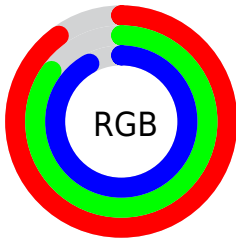
Format	Color
R _Y B	230, 216, 234
Decimal	15128810
CIE Lab	87.91, 7.99, -7.10
CIE LCh	88, 10.692, 318.366
Yxy	71.8752, 0.3107, 0.3100
Android (android.graphics.Color)	4293318890 (0xFFE6D8EA)
YUV	222.2380, 5.7987, 6.8073
Hunter-Lab	84.7792, 3.3090, -2.1569

Details

The Yxy color **71.8752, 0.3107, 0.3100** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79.0498, 0.3145, 0.3484**, and the grayscale version is **73.1815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.7028, 0.3101, 0.3057** is the 20% darker color. If you saturate the color by 10%, you get **59.8688, 0.3076, 0.2842**, and if you desaturate by 10%, it is **85.6220, 0.3133, 0.3345**.

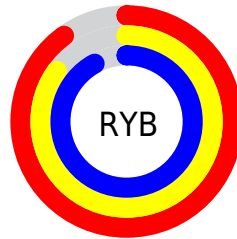
Distribution



Red (90%)

Green (85%)

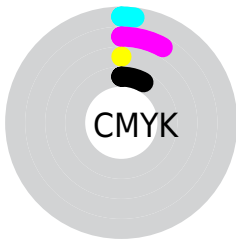
Blue (92%)



Red (90%)

Yellow (85%)

Blue (92%)

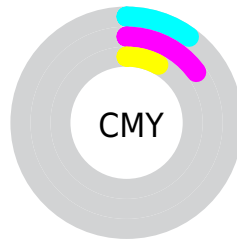


Cyan (2%)

Magenta (8%)

Yellow (0%)

Black (8%)



Cyan (10%)


Magenta (15%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.8752, 0.3107, 0.3100 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 71.8752, 0.3107, 0.3100 by changing the saturation by 10% instead.

 71.8752, 0.3107,
0.3100

 71.8752, 0.3107,
0.3100


467.1071, 0.3117,
0.3187

 53.0567, 0.3105,
0.3080

121.8791, 0.3111,
0.3130

 37.8481, 0.3102,
0.3056


153.8333, 0.3112,
0.3142

 25.8648, 0.3098,
0.3026


190.9349, 0.3113,
0.3152

 16.7225, 0.3092,
0.2986

233.5682, 0.3114,
0.3161

 10.0368, 0.3085,
0.2933

282.1177, 0.3115,
0.3168

 5.4234, 0.3073,
0.2856

336.9678, 0.3116,

 2.4978, 0.3054,

0.3175

0.2739

398.5028, 0.3116,
0.3182

0.8755, 0.3016,
0.2536

0.0000, 0.0000,
0.0000

71.8752, 0.3107,
0.3100

71.8752, 0.3107,
0.3100

59.8688, 0.3076,
0.2842

85.6220, 0.3133,
0.3345

49.5214, 0.3038,
0.2575

96.0783, 0.3158,
0.3498

40.7591, 0.2995,
0.2308

97.0169, 0.3191,
0.3496

33.4985, 0.2945,
0.2050

97.9826, 0.3225,
0.3494

■ 27.6485, 0.2890,
0.1811

■ 98.7225, 0.3250,
0.3493

■ 23.1081, 0.2831,
0.1604

■ 19.7627, 0.2770,
0.1437

■ 17.4773, 0.2709,
0.1316

■ 16.0696, 0.2650,
0.1240

Harmonies

Analogous

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



71.8752, 0.2985, 0.3071



71.8752, 0.3107, 0.3100



71.8752, 0.3237, 0.3177

Triad

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



71.8752, 0.3107, 0.3100



71.8752, 0.3356, 0.3481



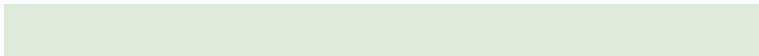
71.8752, 0.2920, 0.3291

Complementary

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



71.8752, 0.3107, 0.3100



79.0498, 0.3145, 0.3484

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.



71.8752, 0.3016, 0.3407



71.8752, 0.3107, 0.3100



71.8752, 0.3268, 0.3517

Square

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



71.8752, 0.3107, 0.3100



71.8752, 0.3382, 0.3394



71.8752, 0.3143, 0.3491



71.8752, 0.2879, 0.3178

Rectangle

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



71.8752, 0.3107, 0.3100



71.8752, 0.3310, 0.3247



71.8752, 0.3143, 0.3491



71.8752, 0.2947, 0.3331

Sweetspot

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



71.8783, 0.3107, 0.3100



96.5719, 0.3122, 0.3241



71.8428, 0.3009, 0.3140



20.7063, 0.3122, 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.



71.8783, 0.3107, 0.3100



85.2542, 0.3103, 0.3066



72.2851, 0.3168, 0.3151



15.1328, 0.3102, 0.3055



8.9374, 0.2646, 0.1231



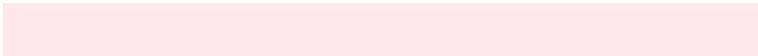
0.7437, 0.2727, 0.1276

Inverse Universe

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



71.7862, 0.3231, 0.3247



85.1286, 0.3251, 0.3240



78.6761, 0.3088, 0.3433



15.1096, 0.3257, 0.3237



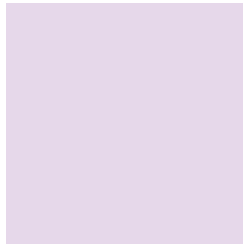
9.9883, 0.6002, 0.3080



0.7986, 0.5618, 0.2868

Previews

White Background



This preview shows how the Yxy color 71.8752, 0.3107, 0.3100 looks on a white background.

Color Contrast Check

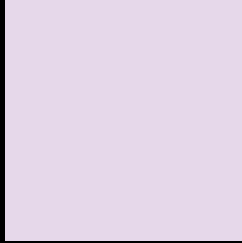
Large Text (above 18pt) WCAG AA × Fail

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 71.8752, 0.3107, 0.3100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

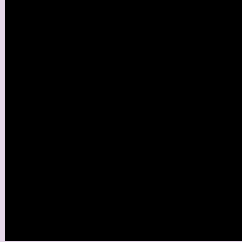
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

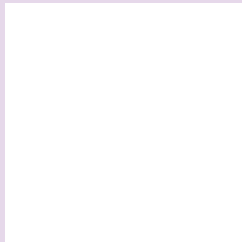
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.8752, 0.3107, 0.3100

Background



This preview shows how black text looks on a background with the Yxy color 71.8752, 0.3107, 0.3100.



This preview shows how white text looks on a background with the Yxy color 71.8752, 0.3107, 0.3100.

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

71.8752, 0.3107, 0.3100

Protanopia

71.9348, 0.3024, 0.3108

Deuteranopia

71.8665, 0.3151, 0.3082



Tritanopia

71.8179, 0.3114, 0.3111

Trichromacy



Original Color

71.8752, 0.3107, 0.3100

Protanomaly

71.9883, 0.3058, 0.3109

Deuteranomaly

72.0338, 0.3136, 0.3091

Tritanomaly

71.8179, 0.3114, 0.3111

Monochromacy



Original Color

71.8752, 0.3107, 0.3100

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

72.6849, 0.3123, 0.3226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.8752, 0.3107, 0.3100 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, 216, 234)` looks like.

```
.text, #text, p{  
    color:rgb(230, 216, 234)  
}
```

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, 216, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 216, 234) }
```

Border

The CSS property to change the border of an element to Yxy 71.8752, 0.3107, 0.3100 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, 216, 234) }
```

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

```
.border{ border-color:rgb(230, 216, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 216, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 216, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 216, 234);  
box-shadow:4px 4px 4px 4px rgb(230, 216,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 71.8752, 0.3107, 0.3100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 216, 234) }
```

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

```
.background{ background-color: rgb(230,  
216, 234) }
```

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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