

Converting Colors

$Y_{xy}(71.1918, 0.3170, 0.3221)$

Have a look what the booklet for
Yxy(71.1918, 0.3170, 0.3221)
contains.

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Color

Yxy(70.9334, 0.3167, 0.3215)

Conversions

Conversions Part 1

Format	Color
Hex	E4D8DF
RGB	228, 216, 223
RGB Percent	89%, 85%, 87%
CMY	0.1058, 0.1529, 0.1255
CMYK	0.00, 0.05, 0.02, 0.11
HSL	325°, 18%, 87%
HSV	325°, 5%, 89%
XYZ	69.8744, 70.9334, 79.8249
YIQ	220.3860, 4.9050, 4.7210

Conversions

Conversions Part 2

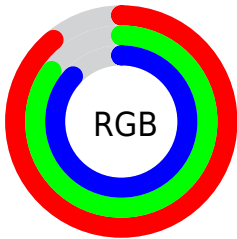
Format	Color
RYB	228, 216, 223
Decimal	14997727
CIELab	87.45, 5.35, -1.97
CIELCh	87, 5.699, 339.752
Yxy	70.9334, 0.3167, 0.3215
Android (android.graphics.Color)	4293187807 (0xFFE4D8DF)
YUV	220.3860, 1.2887, 6.6775
Hunter-Lab	84.2220, 0.7032, 2.7608

Details

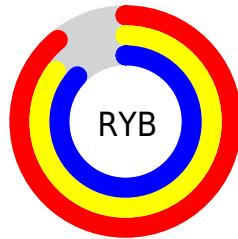
The Yxy color **70.9334, 0.3167, 0.3215** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.3160, 0.3089, 0.3366**, and the grayscale version is **71.8455, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.2011, 0.3179, 0.3193** is the 20% darker color. If you saturate the color by 10%, you get **59.5539, 0.3254, 0.3067**, and if you desaturate by 10%, it is **83.9689, 0.3095, 0.3355**.

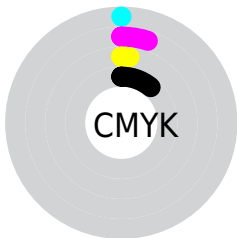
Distribution



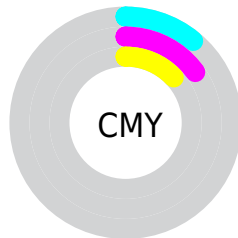
- Red (89%)
- Green (85%)
- Blue (87%)



- Red (89%)
- Yellow (85%)
- Blue (87%)



- Cyan (0%)
- Magenta (5%)
- Yellow (2%)
- Black (11%)



- Cyan (11%)
- Magenta (15%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.9334, 0.3167, 0.3215 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 70.9334, 0.3167, 0.3215 by changing the saturation by 10% instead.

70.9334, 0.3167,
0.3215

70.9334, 0.3167,
0.3215

463.8206, 0.3149,
0.3250

52.2878, 0.3171,
0.3207

120.5389, 0.3161,
0.3227

37.2346, 0.3176,
0.3197

152.2676, 0.3158,
0.3232

25.3892, 0.3183,
0.3185

189.1262, 0.3156,
0.3236

16.3672, 0.3192,
0.3168

231.4990, 0.3154,
0.3239

9.7844, 0.3203,
0.3146

279.7705, 0.3153,
0.3242

5.2562, 0.3221,
0.3114

334.3249, 0.3151,

2.3984, 0.3248,

0.3245

395.5469, 0.3150,
0.3248

0.3063

0.8251, 0.3298,
0.2968

0.0000, 0.0000,
0.0000

70.9334, 0.3167,
0.3215

70.9334, 0.3167,
0.3215

59.5539, 0.3254,
0.3067

83.9689, 0.3095,
0.3355

49.7545, 0.3357,
0.2913

94.4287, 0.3035,
0.3421

41.4668, 0.3480,
0.2758

95.0149, 0.2983,
0.3324

34.6138, 0.3622,
0.2608

95.2368, 0.2964,
0.3290

■ 29.1118, 0.3783,
0.2473

■ 24.8683, 0.3962,
0.2363

■ 21.7791, 0.4154,
0.2292

■ 19.7227, 0.4350,
0.2268

■ 18.5505, 0.4543,
0.2299

Harmonies

Analogous

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



70.9334, 0.3097, 0.3180



70.9334, 0.3167, 0.3215



70.9334, 0.3227, 0.3270

Triad

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



70.9334, 0.3167, 0.3215



70.9334, 0.3219, 0.3409



70.9334, 0.2996, 0.3247

Complementary

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



70.9334, 0.3167, 0.3215



75.3160, 0.3089, 0.3366

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.



70.9334, 0.3028, 0.3309



70.9334, 0.3167, 0.3215



70.9334, 0.3157, 0.3404

Square

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



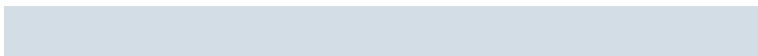
70.9334, 0.3167, 0.3215



70.9334, 0.3257, 0.3382



70.9334, 0.3087, 0.3367



70.9334, 0.2999, 0.3197

Rectangle

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



70.9334, 0.3167, 0.3215



70.9334, 0.3253, 0.3311



70.9334, 0.3087, 0.3367



70.9334, 0.3003, 0.3267

Sweetspot

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



70.9365, 0.3167, 0.3215



96.6529, 0.3142, 0.3262



70.0872, 0.3083, 0.3160



20.7228, 0.3141, 0.3263



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.



70.9365, 0.3167, 0.3215



90.2197, 0.3173, 0.3204



70.6182, 0.3208, 0.3279



15.2411, 0.3178, 0.3195



10.5255, 0.4606, 0.2311



0.7962, 0.4346, 0.2168

Inverse Universe

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



70.9365, 0.3167, 0.3215



90.2197, 0.3173, 0.3204



75.6420, 0.3052, 0.3301



15.2411, 0.3178, 0.3195



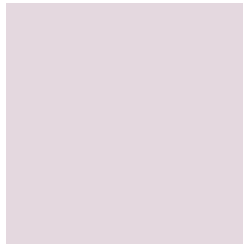
10.5255, 0.4606, 0.2311



0.7962, 0.4346, 0.2168

Previews

White Background



This preview shows how the Yxy color 70.9334, 0.3167, 0.3215 looks on a white background.

Color Contrast Check

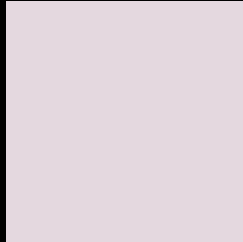
Large Text (above 18pt) WCAG AA × Fail

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 70.9334, 0.3167, 0.3215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

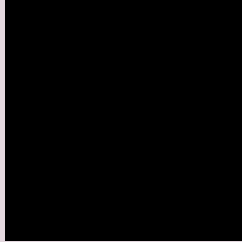
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

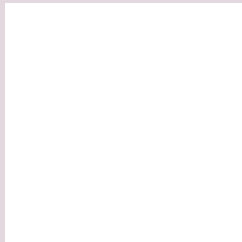
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.9334, 0.3167, 0.3215

Background



This preview shows how black text looks on a background with the Yxy color 70.9334, 0.3167, 0.3215.

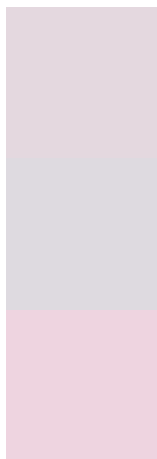


This preview shows how white text looks on a background with the Yxy color 70.9334, 0.3167, 0.3215.

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

70.9334, 0.3167, 0.3215

Protanopia

71.0542, 0.3116, 0.3225

Deuteranopia

70.6459, 0.3237, 0.3164



Tritanopia

71.0851, 0.3114, 0.3110

Trichromacy



Original Color

70.9334, 0.3167, 0.3215

Protanomaly

70.8548, 0.3131, 0.3214

Deuteranomaly

70.4627, 0.3206, 0.3174

Tritanomaly

70.9160, 0.3134, 0.3141

Monochromacy



Original Color

70.9334, 0.3167, 0.3215

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

71.5715, 0.3142, 0.3268

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.9334, 0.3167, 0.3215 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(228, 216, 223)` looks like.

```
.text, #text, p{  
    color:rgb(228, 216, 223)  
}
```

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(228, 216, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 216, 223) }
```

Border

The CSS property to change the border of an element to Yxy 70.9334, 0.3167, 0.3215 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(228, 216, 223) }
```

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

```
.border{ border-color:rgb(228, 216, 223) }
```

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

Here you see how a box with a 4 pixel rgb(228, 216, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 216, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 216, 223);  
box-shadow:4px 4px 4px 4px rgb(228, 216,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 70.9334, 0.3167, 0.3215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 216, 223) }
```

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

```
.background{ background-color: rgb(228,  
216, 223) }
```

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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