

Converting Colors

$Y_{xy}(71.7212, 0.3071, 0.2980)$

Have a look what the booklet for
Yxy(71.7212, 0.3071, 0.2980)
contains.

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Color

Yxy(71.3832, 0.3070, 0.2979)

Conversions

Conversions Part 1

Format	Color
Hex	E9D5F3
RGB	233, 213, 243
RGB Percent	91%, 84%, 95%
CMY	0.0864, 0.1646, 0.0472
CMYK	0.04, 0.12, 0.00, 0.05
HSL	280°, 55%, 89%
HSV	280°, 12%, 95%
XYZ	73.5638, 71.3832, 94.6744
YIQ	222.4000, 2.2900, 13.5700

Conversions

Conversions Part 2

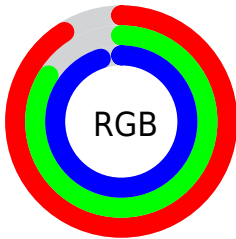
Format	Color
R _Y B	233, 213, 243
Decimal	15324659
CIE Lab	87.67, 12.21, -12.15
CIE LCh	88, 17.226, 315.149
Yxy	71.3832, 0.3070, 0.2979
Android (android.graphics.Color)	4293514739 (0xFFE9D5F3)
YUV	222.4000, 10.1558, 9.2962
Hunter-Lab	84.4886, 7.5640, -7.2959

Details

The Yxy color **71.3832, 0.3070, 0.2979** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.5847, 0.3178, 0.3608**, and the grayscale version is **73.2683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.3887, 0.3052, 0.2901** is the 20% darker color. If you saturate the color by 10%, you get **58.7282, 0.3014, 0.2710**, and if you desaturate by 10%, it is **85.9384, 0.3117, 0.3233**.

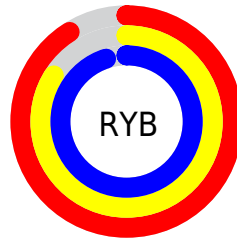
Distribution



Red (91%)

Green (84%)

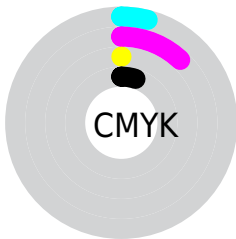
Blue (95%)



Red (91%)

Yellow (84%)

Blue (95%)

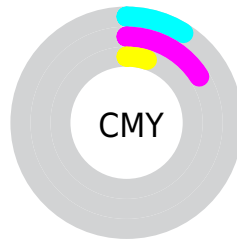


Cyan (4%)

Magenta (12%)

Yellow (0%)

Black (5%)



Cyan (9%)


Magenta (16%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.3832, 0.3070, 0.2979 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 71.3832, 0.3070, 0.2979 by changing the saturation by 10% instead.


 71.3832, 0.3070,
0.2979

 71.3832, 0.3070,
0.2979


465.3919, 0.3098,
0.3120

 52.6550, 0.3063,
0.2947


121.1792, 0.3080,
0.3027

 37.5274, 0.3055,
0.2909


153.0158, 0.3084,
0.3046

 25.6161, 0.3044,
0.2860


189.9906, 0.3087,
0.3063

 16.5367, 0.3030,
0.2797

232.4880, 0.3090,
0.3077

 9.9047, 0.3009,
0.2713

280.8924, 0.3092,
0.3090

 5.3358, 0.2979,
0.2595

335.5883, 0.3094,

 2.4456, 0.2928,

0.3101

0.2417

396.9600, 0.3096,
0.3111

0.8492, 0.2831,
0.2121

0.0000, 0.0853,
0.0000

71.3832, 0.3070,
0.2979

71.3832, 0.3070,
0.2979

58.7282, 0.3014,
0.2710

85.9384, 0.3117,
0.3233

47.8823, 0.2949,
0.2432

98.1671, 0.3161,
0.3407

38.7604, 0.2874,
0.2153

99.2496, 0.3197,
0.3405

31.2669, 0.2792,
0.1884

■ 25.2966, 0.2704,
0.1637

■ 20.7317, 0.2613,
0.1425

■ 17.4365, 0.2521,
0.1257

■ 15.2475, 0.2433,
0.1140

■ 14.1263, 0.2368,
0.1078

Harmonies

Analogous

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



71.3832, 0.2880, 0.2940



71.3832, 0.3070, 0.2979



71.3832, 0.3282, 0.3094

Triad

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



71.3832, 0.3070, 0.2979



71.3832, 0.3508, 0.3583



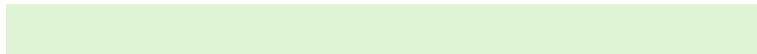
71.3832, 0.2807, 0.3310

Complementary

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



71.3832, 0.3070, 0.2979



84.5847, 0.3178, 0.3608

Split Complementary

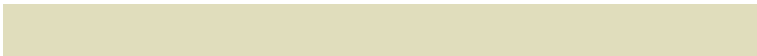
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.3832, 0.2967, 0.3499



71.3832, 0.3070, 0.2979



71.3832, 0.3372, 0.3657

Square

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



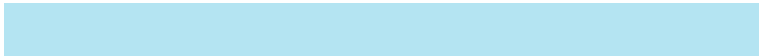
71.3832, 0.3070, 0.2979



71.3832, 0.3539, 0.3436



71.3832, 0.3173, 0.3628



71.3832, 0.2732, 0.3122

Rectangle

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



71.3832, 0.3070, 0.2979



71.3832, 0.3405, 0.3200



71.3832, 0.3173, 0.3628



71.3832, 0.2853, 0.3376

Sweetspot

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



71.3863, 0.3070, 0.2979



93.0230, 0.3110, 0.3192



73.6646, 0.2934, 0.3081



19.6383, 0.3107, 0.3173



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.



71.3863, 0.3070, 0.2979



75.6323, 0.3056, 0.2907



72.8509, 0.3172, 0.3030



16.4747, 0.3084, 0.3053



7.8316, 0.2381, 0.1085



0.7444, 0.2486, 0.1143

Inverse Universe

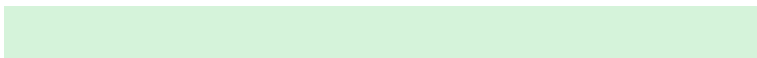
The Inverse Universe completely reimagines the original color for something new.



71.9789, 0.3279, 0.3187



76.4440, 0.3318, 0.3163



83.2722, 0.3085, 0.3564



16.5739, 0.3241, 0.3211



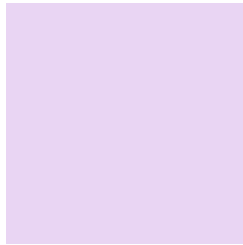
10.8081, 0.5639, 0.2880



0.9683, 0.5288, 0.2687

Previews

White Background



This preview shows how the Yxy color 71.3832, 0.3070, 0.2979 looks on a white background.

Color Contrast Check

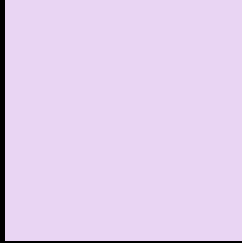
Large Text (above 18pt) WCAG AA × Fail

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 71.3832, 0.3070, 0.2979 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

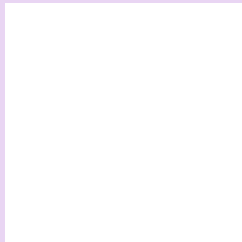
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.3832, 0.3070, 0.2979

Background



This preview shows how black text looks on a background with the Yxy color 71.3832, 0.3070, 0.2979.

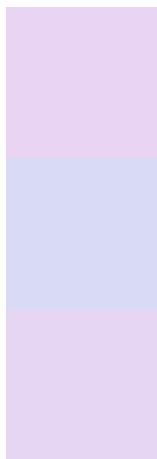


This preview shows how white text looks on a background with the Yxy color 71.3832, 0.3070, 0.2979.

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

71.3832, 0.3070, 0.2979

Protanopia

71.3956, 0.2934, 0.2991

Deuteranopia

71.5531, 0.3056, 0.2988



Tritanopia

71.4160, 0.3128, 0.3111

Trichromacy



Original Color

71.3832, 0.3070, 0.2979

Protanomaly

71.2339, 0.2980, 0.2983

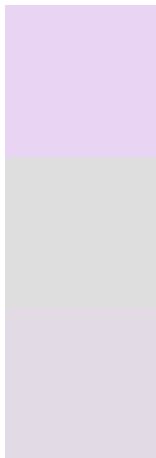
Deuteranomaly

71.7200, 0.3063, 0.2989

Tritanomaly

71.3051, 0.3109, 0.3059

Monochromacy



Original Color

71.3832, 0.3070, 0.2979

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

72.5450, 0.3104, 0.3173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.3832, 0.3070, 0.2979 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(233, 213, 243)` looks like.

```
.text, #text, p{  
    color:rgb(233, 213, 243)  
}
```

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(233, 213, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 213, 243) }
```

Border

The CSS property to change the border of an element to Yxy 71.3832, 0.3070, 0.2979 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(233, 213, 243) }
```

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

```
.border{ border-color:rgb(233, 213, 243) }
```

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

Here you see how a box with a 4 pixel rgb(233, 213, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 213, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 213, 243);  
box-shadow:4px 4px 4px 4px rgb(233, 213,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 71.3832, 0.3070, 0.2979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 213, 243) }
```

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

```
.background{ background-color: rgb(233,  
213, 243) }
```

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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