

Converting Colors

Yxy(66.8971, 0.3089, 0.3002)

Have a look what the booklet for
Yxy(66.8971, 0.3089, 0.3002)
contains.

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Color

Yxy(66.8971, 0.3089, 0.3002)

Conversions

Conversions Part 1

Format	Color
Hex	E3CFEA
RGB	227, 207, 234
RGB Percent	89%, 81%, 92%
CMY	0.1099, 0.1882, 0.0824
CMYK	0.03, 0.12, 0.00, 0.08
HSL	284°, 39%, 86%
HSV	284°, 12%, 92%
XYZ	68.8358, 66.8971, 87.1088
YIQ	216.0580, 3.2530, 12.6370

Conversions

Conversions Part 2

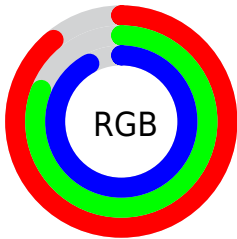
Format	Color
R _Y B	227, 207, 234
Decimal	14929898
CIE Lab	85.45, 11.72, -10.75
CIE LCh	85, 15.905, 317.485
Yxy	66.8971, 0.3089, 0.3002
Android (android.graphics.Color)	4293119978 (0xFFE3CFEA)
YUV	216.0580, 8.8454, 9.5961
Hunter-Lab	81.7906, 7.0937, -5.8917

Details

The Yxy color $66.8971, 0.3089, 0.3002$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $77.6363, 0.3160, 0.3586$, and the grayscale version is $68.6478, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $34.7675, 0.3085, 0.2943$ is the 20% darker color. If you saturate the color by 10%, you get $55.4197, 0.3049, 0.2738$, and if you desaturate by 10%, it is $80.0950, 0.3123, 0.3253$.

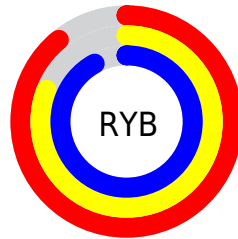
Distribution



Red (89%)

Green (81%)

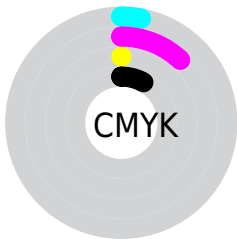
Blue (92%)



Red (89%)

Yellow (81%)

Blue (92%)

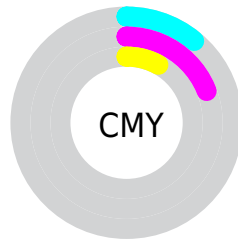


Cyan (3%)

Magenta (12%)

Yellow (0%)

Black (8%)



Cyan (11%)

Magenta (19%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.8971, 0.3089, 0.3002 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 66.8971, 0.3089, 0.3002 by changing the saturation by 10% instead.


 66.8971, 0.3089,
0.3002

 66.8971, 0.3089,
0.3002


449.5784, 0.3108,
0.3135

 49.0010, 0.3084,
0.2972

114.7730, 0.3096,
0.3048

 34.6203, 0.3078,
0.2935


145.5215, 0.3098,
0.3066

 23.3705, 0.3071,
0.2888


181.3230, 0.3101,
0.3081

 14.8673, 0.3060,
0.2827

222.5618, 0.3103,
0.3095

 8.7263, 0.3044,
0.2744

269.6224, 0.3104,
0.3106

 4.5631, 0.3020,
0.2626

322.8891, 0.3106,

 1.9933, 0.2979,

0.3117

0.2444

382.7463, 0.3107,
0.3126

0.6036, 0.2921,
0.2050

0.0000, 0.0000,
0.0000

66.8971, 0.3089,
0.3002

66.8971, 0.3089,
0.3002

55.4197, 0.3049,
0.2738

80.0950, 0.3123,
0.3253

45.5803, 0.3001,
0.2468

95.0742, 0.3150,
0.3488

37.3022, 0.2946,
0.2198

96.9062, 0.3188,
0.3497

30.4994, 0.2885,
0.1941

98.0170, 0.3226,
0.3495

■ 25.0772, 0.2819,
0.1706

■ 98.7193, 0.3250,
0.3493

■ 20.9298, 0.2749,
0.1506

■ 17.9357, 0.2678,
0.1349

■ 15.9494, 0.2608,
0.1240

■ 14.8560, 0.2551,
0.1179

Harmonies

Analogous

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



66.8971, 0.2906, 0.2959



66.8971, 0.3089, 0.3002



66.8971, 0.3288, 0.3115

Triad

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



66.8971, 0.3089, 0.3002



66.8971, 0.3479, 0.3575



66.8971, 0.2817, 0.3294

Complementary

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



66.8971, 0.3089, 0.3002



77.6363, 0.3160, 0.3586

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.



66.8971, 0.2963, 0.3474



66.8971, 0.3089, 0.3002



66.8971, 0.3345, 0.3638

Square

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



66.8971, 0.3089, 0.3002



66.8971, 0.3517, 0.3441



66.8971, 0.3156, 0.3602



66.8971, 0.2752, 0.3120

Rectangle

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



66.8971, 0.3089, 0.3002



66.8971, 0.3401, 0.3218



66.8971, 0.3156, 0.3602



66.8971, 0.2857, 0.3357

Sweetspot

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



66.9000, 0.3089, 0.3002



94.8414, 0.3118, 0.3217



67.4034, 0.2947, 0.3071



20.0120, 0.3115, 0.3197



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.



66.9000, 0.3089, 0.3002



77.5855, 0.3079, 0.2936



67.7052, 0.3185, 0.3071



15.1058, 0.3096, 0.3055



8.4136, 0.2562, 0.1185



0.7065, 0.2655, 0.1236

Inverse Universe

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



66.9767, 0.3283, 0.3215



77.7123, 0.3322, 0.3198



76.9203, 0.3074, 0.3519



15.1182, 0.3252, 0.3229



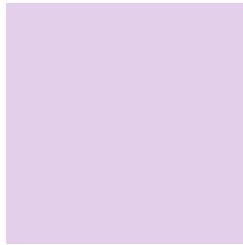
10.0347, 0.5897, 0.3022



0.8033, 0.5505, 0.2806

Previews

White Background



This preview shows how the Yxy color 66.8971, 0.3089, 0.3002 looks on a white background.

Color Contrast Check

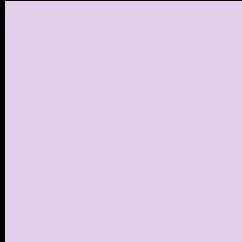
Large Text (above 18pt) WCAG AA × Fail

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 66.8971, 0.3089, 0.3002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

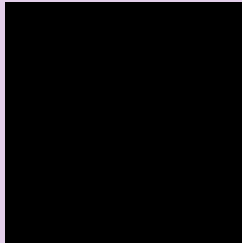
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

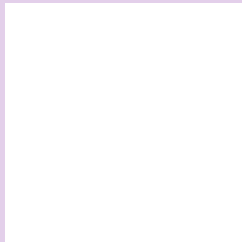
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.8971, 0.3089, 0.3002

Background



This preview shows how black text looks on a background with the Yxy color 66.8971, 0.3089, 0.3002.



This preview shows how white text looks on a background with the Yxy color 66.8971, 0.3089, 0.3002.

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

66.8971, 0.3089, 0.3002

Protanopia

66.9030, 0.2948, 0.3015

Deuteranopia

67.0598, 0.3074, 0.3011



Tritanopia

67.2059, 0.3143, 0.3117

Trichromacy



Original Color

66.8971, 0.3089, 0.3002

Protanomaly

66.7482, 0.2996, 0.3007

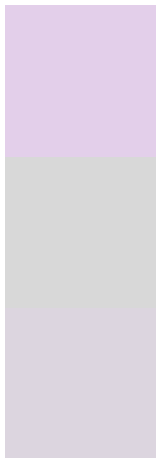
Deuteranomaly

67.2210, 0.3081, 0.3012

Tritanomaly

66.8819, 0.3122, 0.3075

Monochromacy



Original Color

66.8971, 0.3089, 0.3002

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

68.1319, 0.3110, 0.3181

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.8971, 0.3089, 0.3002 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(227, 207, 234)` looks like.

```
.text, #text, p{  
    color:rgb(227, 207, 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(227, 207, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 207, 234) }
```

Border

The CSS property to change the border of an element to Yxy 66.8971, 0.3089, 0.3002 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(227, 207, 234) }
```

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

```
.border{ border-color:rgb(227, 207, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 207, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 207, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 207, 234);  
box-shadow:4px 4px 4px 4px rgb(227, 207,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 66.8971, 0.3089, 0.3002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 207, 234) }
```

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

```
.background{ background-color: rgb(227,  
207, 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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