

Converting Colors

$Yxy(68.2900, 0.3024, 0.2767)$

Have a look what the booklet for
Yxy(68.2900, 0.3024, 0.2767)
contains.

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Color

Yxy(68.4103, 0.3021, 0.2771)

Conversions

Conversions Part 1

Format	Color
Hex	EDCCFF
RGB	237, 204, 255
RGB Percent	93%, 80%, 100%
CMY	0.0704, 0.2001, 0.0000
CMYK	0.07, 0.20, 0.00, 0.00
HSL	279°, 100%, 90%
HSV	279°, 20%, 100%
XYZ	74.5823, 68.4103, 103.8869
YIQ	219.6810, 3.2970, 22.8570

Conversions

Conversions Part 2

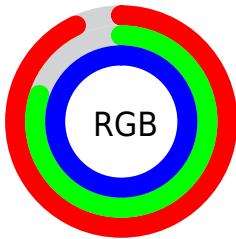
Format	Color
R _Y B	237, 204, 255
Decimal	15584511
CIE Lab	86.21, 20.61, -20.67
CIE LCh	86, 29.189, 314.925
Yxy	68.4103, 0.3021, 0.2771
Android (android.graphics.Color)	4293774591 (0xFFEDCCFF)
YUV	219.6810, 17.4123, 15.1888
Hunter-Lab	82.7105, 16.2148, -16.5726

Details

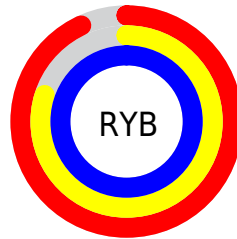
The Yxy color **68.4103, 0.3021, 0.2771** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **91.3972, 0.3213, 0.3826**, and the grayscale version is **71.2160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.7137, 0.2995, 0.2664** is the 20% darker color. If you saturate the color by 10%, you get **55.7623, 0.2954, 0.2492**, and if you desaturate by 10%, it is **83.1247, 0.3079, 0.3039**.

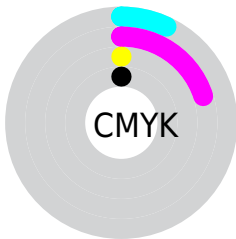
Distribution



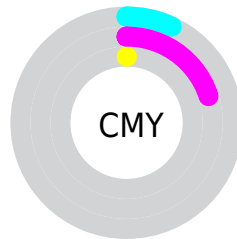
- Red (93%)
- Green (80%)
- Blue (100%)



- Red (93%)
- Yellow (80%)
- Blue (100%)



- Cyan (7%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)





- Cyan (7%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.4103, 0.3021, 0.2771 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 68.4103, 0.3021, 0.2771 by changing the saturation by 10% instead.


 68.4103, 0.3021,
0.2771

 68.4103, 0.3021,
0.2771


454.9484, 0.3074,
0.3004

 50.2316, 0.3008,
0.2719


116.9389, 0.3040,
0.2851

 35.5975, 0.2992,
0.2657


148.0576, 0.3047,
0.2882

 24.1235, 0.2971,
0.2579


184.2585, 0.3053,
0.2909

 15.4252, 0.2942,
0.2479


225.9258, 0.3059,
0.2933

 9.1184, 0.2902,
0.2347

273.4441, 0.3063,
0.2954

 4.8185, 0.2841,
0.2166

327.1977, 0.3067,

 2.1411, 0.2741,

0.2972

0.1904

387.5710, 0.3071,
0.2989

0.6876, 0.2562,
0.1471

0.0000, 0.0956,
0.0000

68.4103, 0.3021,
0.2771

68.4103, 0.3021,
0.2771

55.7623, 0.2954,
0.2492

83.1247, 0.3079,
0.3039

45.0759, 0.2877,
0.2210

99.9892, 0.3127,
0.3290

36.2478, 0.2792,
0.1934

100.0000, 0.3127,
0.3290

29.1622, 0.2700,
0.1677

■ 23.6900, 0.2603,
0.1453

■ 19.6833, 0.2507,
0.1271

■ 16.9662, 0.2413,
0.1140

■ 15.2525, 0.2325,
0.1054

Harmonies

Analogous

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



68.4103, 0.2703, 0.2703



68.4103, 0.3021, 0.2771



68.4103, 0.3386, 0.2958

Triad

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



68.4103, 0.3021, 0.2771



68.4103, 0.3781, 0.3779



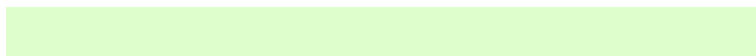
68.4103, 0.2586, 0.3318

Complementary

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



68.4103, 0.3021, 0.2771



91.3972, 0.3213, 0.3826

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.



68.4103, 0.2851, 0.3658



68.4103, 0.3021, 0.2771



68.4103, 0.3543, 0.3925

Square

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



68.4103, 0.3021, 0.2771



68.4103, 0.3840, 0.3521



68.4103, 0.3200, 0.3888



68.4103, 0.2464, 0.2994

Rectangle

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



68.4103, 0.3021, 0.2771



68.4103, 0.3604, 0.3130



68.4103, 0.3200, 0.3888



68.4103, 0.2661, 0.3436

Sweetspot

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



68.4127, 0.3021, 0.2771



89.6173, 0.3099, 0.3141



72.6652, 0.2805, 0.2943



18.9501, 0.3096, 0.3125



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.



68.4127, 0.3021, 0.2771



63.1182, 0.2995, 0.2661



71.2281, 0.3198, 0.2854



17.9620, 0.3081, 0.3052



8.0563, 0.2339, 0.1062



0.8455, 0.2438, 0.1117

Inverse Universe

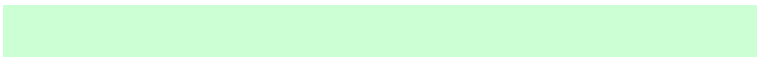
The Inverse Universe completely reimagines the original color for something new.



69.7085, 0.3390, 0.3109



64.6777, 0.3456, 0.3071



89.0477, 0.3063, 0.3768



18.0926, 0.3239, 0.3207



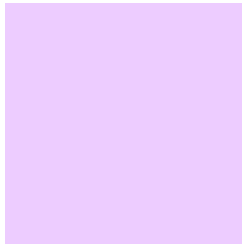
11.5173, 0.5577, 0.2846



1.1412, 0.5262, 0.2672

Previews

White Background



This preview shows how the Yxy color 68.4103, 0.3021, 0.2771 looks on a white background.

Color Contrast Check

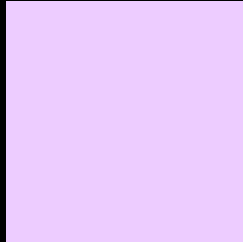
Large Text (above 18pt) WCAG AA × Fail

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 68.4103, 0.3021, 0.2771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

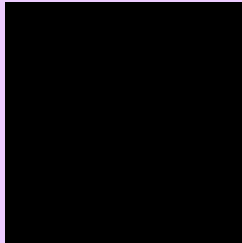
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.4103, 0.3021, 0.2771

Background



This preview shows how black text looks on a background with the Yxy color 68.4103, 0.3021, 0.2771.



This preview shows how white text looks on a background with the Yxy color 68.4103, 0.3021, 0.2771.

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

68.4103, 0.3021, 0.2771

Protanopia

68.5785, 0.2818, 0.2849

Deuteranopia

68.6497, 0.2896, 0.2836



Tritanopia

68.4156, 0.3188, 0.3110

Trichromacy



Original Color

68.4103, 0.3021, 0.2771

Protanomaly

68.2186, 0.2889, 0.2815

Deuteranomaly

68.2751, 0.2943, 0.2810

Tritanomaly

68.2325, 0.3120, 0.2976

Monochromacy



Original Color

68.4103, 0.3021, 0.2771

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

70.1451, 0.3086, 0.3087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.4103, 0.3021, 0.2771 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(237, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 204, 255)  
}
```

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(237, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 204, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.4103, 0.3021, 0.2771 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(237, 204, 255) }
```

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

```
.border{ border-color:rgb(237, 204, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 204,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.4103, 0.3021, 0.2771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 204, 255) }
```

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

```
.background{ background-color: rgb(237,  
204, 255) }
```

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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