

Converting Colors

Yxy(69.1683, 0.2944, 0.2699)

Have a look what the booklet for
Yxy(69.1683, 0.2944, 0.2699)
contains.

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Color

Yxy(68.3751, 0.2999, 0.2778)

Conversions

Conversions Part 1

Format	Color
Hex	EACDFF
RGB	234, 205, 255
RGB Percent	92%, 80%, 100%
CMY	0.0824, 0.1961, 0.0000
CMYK	0.08, 0.20, 0.00, 0.00
HSL	275°, 100%, 90%
HSV	275°, 20%, 100%
XYZ	73.8146, 68.3751, 103.9410
YIQ	219.3710, 1.2340, 21.6980

Conversions

Conversions Part 2

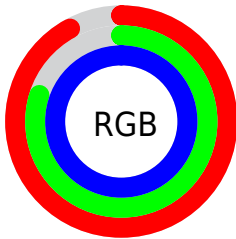
Format	Color
R_{YB}	234, 205, 255
Decimal	15388159
CIE _{Lab}	86.19, 19.10, -20.73
CIE _{LCh}	86, 28.189, 312.656
Yxy	68.3751, 0.2999, 0.2778
Android (android.graphics.Color)	4293578239 (0xFFEACDFF)
YUV	219.3710, 17.5651, 12.8296
Hunter-Lab	82.6892, 14.6363, -16.6455

Details

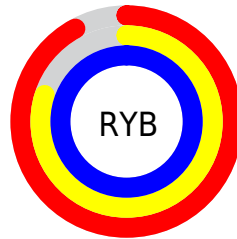
The Yxy color **68.3751, 0.2999, 0.2778** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **92.0987, 0.3234, 0.3811**, and the grayscale version is **70.9838, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.6754, 0.2967, 0.2672** is the 20% darker color. If you saturate the color by 10%, you get **55.3949, 0.2917, 0.2494**, and if you desaturate by 10%, it is **83.4547, 0.3070, 0.3048**.

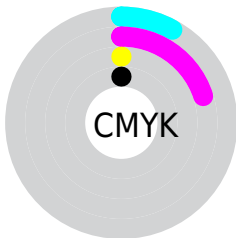
Distribution



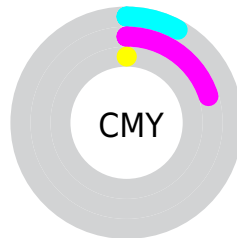
- Red (92%)
- Green (80%)
- Blue (100%)



- Red (92%)
- Yellow (80%)
- Blue (100%)



- Cyan (8%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.3751, 0.2999, 0.2778 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 68.3751, 0.2999, 0.2778 by changing the saturation by 10% instead.

68.3751, 0.2999,
0.2778

68.3751, 0.2999,
0.2778

454.8239, 0.3062,
0.3008

50.2030, 0.2984,
0.2727

116.8886, 0.3021,
0.2857

35.5747, 0.2965,
0.2665

147.9987, 0.3030,
0.2888

24.1059, 0.2940,
0.2587

184.1903, 0.3037,
0.2914

15.4122, 0.2907,
0.2488

225.8478, 0.3044,
0.2938

9.1092, 0.2861,
0.2358

273.3554, 0.3049,
0.2959

4.8125, 0.2792,
0.2177

327.0977, 0.3054,

2.1377, 0.2681,

0.2977

0.1915

387.4591, 0.3058,
0.2994

0.6857, 0.2482,
0.1481

0.0000, 0.0622,
0.0000

68.3751, 0.2999,
0.2778

68.3751, 0.2999,
0.2778

55.3949, 0.2917,
0.2494

83.4547, 0.3070,
0.3048

44.4135, 0.2825,
0.2204

100.0000, 0.3127,
0.3290

35.3256, 0.2722,
0.1917

28.0149, 0.2611,
0.1647

■ 22.3521, 0.2497,
0.1407

■ 18.1893, 0.2383,
0.1211

■ 15.3510, 0.2274,
0.1067

■ 13.5632, 0.2173,
0.0972

■ 13.5020, 0.2170,
0.0969

Harmonies

Analogous

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



68.3751, 0.2698, 0.2722



68.3751, 0.2999, 0.2778



68.3751, 0.3352, 0.2952

Triad

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



68.3751, 0.2999, 0.2778



68.3751, 0.3770, 0.3748



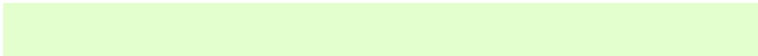
68.3751, 0.2619, 0.3344

Complementary

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



68.3751, 0.2999, 0.2778



92.0987, 0.3234, 0.3811

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.



68.3751, 0.2885, 0.3667



68.3751, 0.2999, 0.2778



68.3751, 0.3551, 0.3898

Square

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



68.3751, 0.2999, 0.2778



68.3751, 0.3811, 0.3493



68.3751, 0.3225, 0.3876



68.3751, 0.2488, 0.3026

Rectangle

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



68.3751, 0.2999, 0.2778



68.3751, 0.3567, 0.3116



68.3751, 0.3225, 0.3876



68.3751, 0.2695, 0.3457

Sweetspot

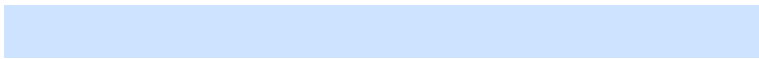
The Sweet Spot groups the original color and five complimentary colors.



68.3759, 0.2999, 0.2778



89.4247, 0.3092, 0.3141



74.9572, 0.2814, 0.2987



18.9046, 0.3088, 0.3124



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.



68.3759, 0.2999, 0.2778



62.4194, 0.2965, 0.2655



71.9320, 0.3173, 0.2832



17.8979, 0.3070, 0.3051



7.1448, 0.2185, 0.0978



0.7599, 0.2298, 0.1039

Inverse Universe

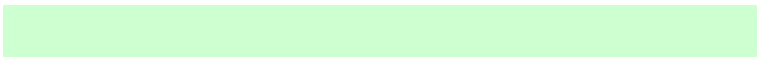
The Inverse Universe completely reimagines the original color for something new.



70.4165, 0.3358, 0.3079



64.8963, 0.3423, 0.3029



89.0705, 0.3083, 0.3795



18.1137, 0.3228, 0.3191



11.6934, 0.5301, 0.2694



1.1598, 0.5007, 0.2532

Previews

White Background



This preview shows how the Yxy color 68.3751, 0.2999, 0.2778 looks on a white background.

Color Contrast Check

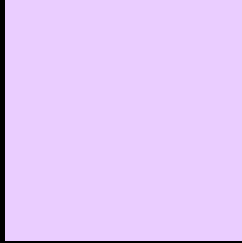
Large Text (above 18pt) WCAG AA × Fail

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 68.3751, 0.2999, 0.2778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

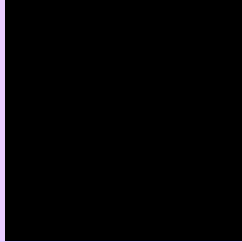
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.3751, 0.2999, 0.2778

Background



This preview shows how black text looks on a background with the Yxy color 68.3751, 0.2999, 0.2778.



This preview shows how white text looks on a background with the Yxy color 68.3751, 0.2999, 0.2778.

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

68.3751, 0.2999, 0.2778

Protanopia

68.5785, 0.2818, 0.2849

Deuteranopia

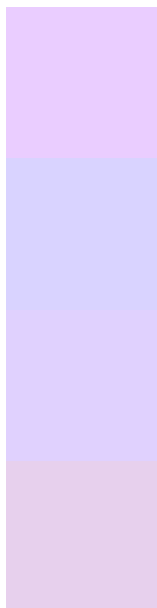
68.6497, 0.2896, 0.2836



Tritanopia

68.4622, 0.3158, 0.3109

Trichromacy



Original Color

68.3751, 0.2999, 0.2778

Protanomaly

68.5602, 0.2883, 0.2825

Deuteranomaly

68.6040, 0.2936, 0.2820

Tritanomaly

68.2151, 0.3097, 0.2984

Monochromacy



Original Color

68.3751, 0.2999, 0.2778

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

69.7666, 0.3079, 0.3097

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.3751, 0.2999, 0.2778 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(234, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 205, 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(234, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 205, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.3751, 0.2999, 0.2778 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(234, 205, 255) }
```

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

```
.border{ border-color:rgb(234, 205, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(234, 205, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(234, 205, 255); box-shadow:4px 4px 4px 4px rgb(234, 205, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.3751, 0.2999, 0.2778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 205, 255) }
```

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

```
.background{ background-color: rgb(234,  
205, 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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