

Converting Colors

$Yxy(67.8499, 0.2997, 0.2768)$

Have a look what the booklet for
Yxy(67.8499, 0.2997, 0.2768)
contains.

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Color

Yxy(67.8982, 0.2999, 0.2768)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | EACCFE |
| RGB | 234, 204, 255 |
| RGB Percent | 92%, 80%, 100% |
| CMY | 0.0825, 0.1999, 0.0000 |
| CMYK | 0.08, 0.20, 0.00, 0.00 |
| HSL | 275°, 100%, 90% |
| HSV | 275°, 20%, 100% |
| XYZ | 73.5646, 67.8982, 103.8342 |
| YIQ | 218.7840, 1.5090, 22.2210 |

Conversions

Conversions Part 2

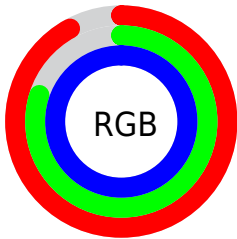
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 234, 204, 255 |
| Decimal | 15387903 |
| CIE Lab | 85.96, 19.61, -21.07 |
| CIE LCh | 86, 28.785, 312.935 |
| Yxy | 67.8982, 0.2999, 0.2768 |
| Android (android.graphics.Color) | 4293577983 (0xFFEACCF) |
| YUV | 218.7840, 17.8545, 13.3444 |
| Hunter-Lab | 82.4004, 15.1588, -17.0322 |

Details

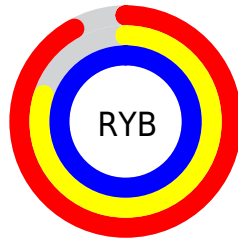
The Yxy color $67.8982, 0.2999, 0.2768$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $91.8966, 0.3233, 0.3823$, and the grayscale version is $70.5535, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $35.3549, 0.2967, 0.2659$ is the 20% darker color. If you saturate the color by 10%, you get $55.0259, 0.2918, 0.2484$, and if you desaturate by 10%, it is $82.8665, 0.3068, 0.3038$.

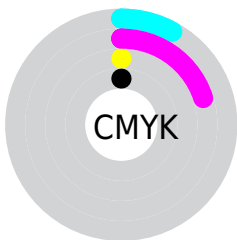
Distribution



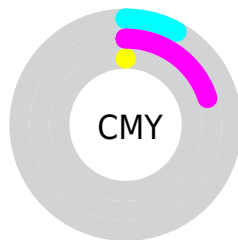
- Red (92%)
- Green (80%)
- Blue (100%)



- 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 67.8982, 0.2999, 0.2768 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 67.8982, 0.2999, 0.2768 by changing the saturation by 10% instead.

 67.8982, 0.2999,
0.2768

 67.8982, 0.2999,
0.2768


453.1352, 0.3062,
0.3003

 49.8149, 0.2984,
0.2716

116.2065, 0.3022,
0.2848

 35.2664, 0.2965,
0.2653


147.2003, 0.3030,
0.2880

 23.8681, 0.2940,
0.2574


183.2664, 0.3037,
0.2907

 15.2358, 0.2907,
0.2473

224.7892, 0.3044,
0.2931

 8.9851, 0.2860,
0.2339

272.1531, 0.3049,
0.2952

 4.7314, 0.2790,
0.2156

325.7425, 0.3054,

 2.0906, 0.2676,

0.2971

0.1889

385.9417, 0.3058,
0.2988

0.6593, 0.2476,
0.1440

0.0000, 0.0511,
0.0000

67.8982, 0.2999,
0.2768

67.8982, 0.2999,
0.2768

55.0259, 0.2918,
0.2484

82.8665, 0.3068,
0.3038

44.1426, 0.2827,
0.2195

99.9999, 0.3127,
0.3290

35.1450, 0.2726,
0.1909

27.9164, 0.2617,
0.1641

■ 22.3268, 0.2504,
0.1405

■ 18.2278, 0.2392,
0.1212

■ 15.4426, 0.2285,
0.1070

■ 13.6837, 0.2186,
0.0978

■ 13.6824, 0.2186,
0.0978

Harmonies

Analogous

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



67.8982, 0.2690, 0.2710



67.8982, 0.2999, 0.2768



67.8982, 0.3360, 0.2946

Triad

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



67.8982, 0.2999, 0.2768



67.8982, 0.3784, 0.3760



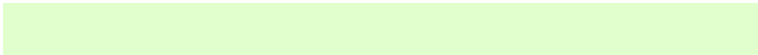
67.8982, 0.2606, 0.3341

Complementary

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



67.8982, 0.2999, 0.2768



91.8966, 0.3233, 0.3823

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.



67.8982, 0.2876, 0.3674



67.8982, 0.2999, 0.2768



67.8982, 0.3558, 0.3913

Square

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



67.8982, 0.2999, 0.2768



67.8982, 0.3828, 0.3500



67.8982, 0.3224, 0.3889



67.8982, 0.2474, 0.3016

Rectangle

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



67.8982, 0.2999, 0.2768



67.8982, 0.3580, 0.3114



67.8982, 0.3224, 0.3889



67.8982, 0.2683, 0.3457

Sweetspot

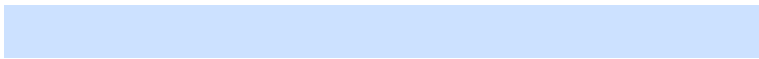
The Sweet Spot groups the original color and five complimentary colors.



67.9011, 0.2999, 0.2768



89.4458, 0.3093, 0.3141



74.0518, 0.2807, 0.2971



18.9096, 0.3089, 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.



67.9011, 0.2999, 0.2768



62.4955, 0.2968, 0.2656



71.4042, 0.3180, 0.2831



17.9049, 0.3072, 0.3051



7.2390, 0.2202, 0.0987



0.7689, 0.2313, 0.1048

Inverse Universe

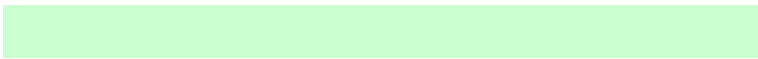
The Inverse Universe completely reimagines the original color for something new.



69.8943, 0.3366, 0.3078



64.8719, 0.3426, 0.3033



88.9268, 0.3078, 0.3797



18.1114, 0.3229, 0.3192



11.6722, 0.5332, 0.2711



1.1576, 0.5035, 0.2548

Previews

White Background



This preview shows how the Yxy color 67.8982, 0.2999, 0.2768 looks on a white background.

Color Contrast Check

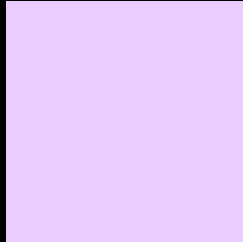
Large Text (above 18pt) WCAG AA × Fail

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 67.8982, 0.2999, 0.2768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

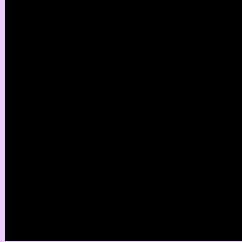
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

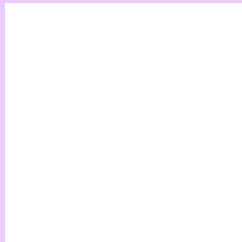
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.8982, 0.2999, 0.2768

Background



This preview shows how black text looks on a background with the Yxy color 67.8982, 0.2999, 0.2768.

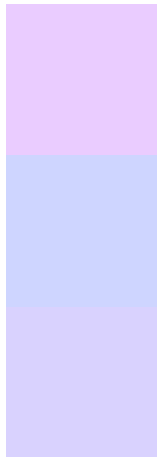


This preview shows how white text looks on a background with the Yxy color 67.8982, 0.2999, 0.2768.

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

67.8982, 0.2999, 0.2768

Protanopia

67.9303, 0.2811, 0.2838

Deuteranopia

68.0007, 0.2889, 0.2824



Tritanopia

67.7499, 0.3158, 0.3108

Trichromacy



Original Color

67.8982, 0.2999, 0.2768

Protanomaly

67.9121, 0.2876, 0.2813

Deuteranomaly

67.9555, 0.2929, 0.2808

Tritanomaly

67.7290, 0.3098, 0.2974

Monochromacy



Original Color

67.8982, 0.2999, 0.2768

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 67.8982, 0.2999, 0.2768 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, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 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(234, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 204, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.8982, 0.2999, 0.2768 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, 204, 255) }
```

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

```
.border{ border-color:rgb(234, 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(234, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 204,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8982, 0.2999, 0.2768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 204, 255) }
```

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

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