

Converting Colors

$Yxy(68.4857, 0.3027, 0.2771)$

Have a look what the booklet for
Yxy(68.4857, 0.3027, 0.2771)
contains.

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Color

Yxy(68.5829, 0.3028, 0.2772)

Conversions

Conversions Part 1

Format	Color
Hex	EECCFF
RGB	238, 204, 255
RGB Percent	93%, 80%, 100%
CMY	0.0665, 0.2001, 0.0000
CMYK	0.07, 0.20, 0.00, 0.00
HSL	280°, 100%, 90%
HSV	280°, 20%, 100%
XYZ	74.9167, 68.5829, 103.9135
YIQ	219.9800, 3.8930, 23.0690

Conversions

Conversions Part 2

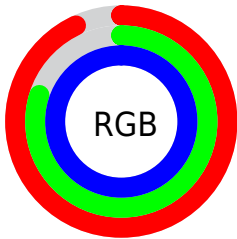
Format	Color
R _Y B	238, 204, 255
Decimal	15650047
CIE Lab	86.30, 20.93, -20.54
CIE LCh	86, 29.323, 315.547
Yxy	68.5829, 0.3028, 0.2772
Android (android.graphics.Color)	4293840127 (0xFFEECCFF)
YUV	219.9800, 17.2649, 15.8035
Hunter-Lab	82.8148, 16.5504, -16.4249

Details

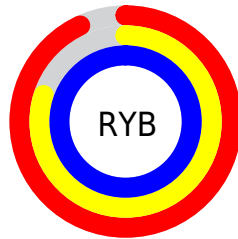
The Yxy color $68.5829, 0.3028, 0.2772$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $91.2414, 0.3207, 0.3827$, and the grayscale version is $71.4344, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $35.8350, 0.3004, 0.2666$ is the 20% darker color. If you saturate the color by 10%, you get $56.0071, 0.2965, 0.2495$, and if you desaturate by 10%, it is $83.2152, 0.3082, 0.3039$.

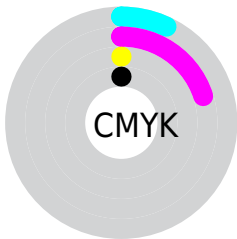
Distribution



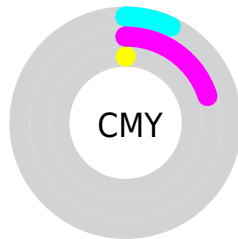
- Red (93%)
- Green (80%)
- Blue (100%)



- 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 68.5829, 0.3028, 0.2772 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 68.5829, 0.3028, 0.2772 by changing the saturation by 10% instead.


 68.5829, 0.3028,
0.2772

 68.5829, 0.3028,
0.2772


455.5585, 0.3078,
0.3005

 50.3721, 0.3016,
0.2721


117.1856, 0.3046,
0.2851

 35.7091, 0.3001,
0.2658


148.3464, 0.3053,
0.2883

 24.2096, 0.2981,
0.2580


184.5925, 0.3058,
0.2910

 15.4892, 0.2953,
0.2481

226.3085, 0.3063,
0.2933

 9.1634, 0.2915,
0.2350

273.8787, 0.3068,
0.2954

 4.8479, 0.2857,
0.2170

327.6875, 0.3071,

 2.1583, 0.2762,

0.2973

0.1909

388.1193, 0.3075,
0.2990

0.6971, 0.2589,
0.1481

0.0000, 0.1092,
0.0000

68.5829, 0.3028,
0.2772

68.5829, 0.3028,
0.2772

56.0071, 0.2965,
0.2495

83.2152, 0.3082,
0.3039

45.3857, 0.2893,
0.2215

99.9902, 0.3127,
0.3290

36.6149, 0.2813,
0.1942

100.0000, 0.3127,
0.3290

29.5789, 0.2726,
0.1689

■ 24.1488, 0.2636,
0.1468

■ 20.1771, 0.2544,
0.1290

■ 17.4879, 0.2455,
0.1162

■ 15.7952, 0.2371,
0.1080

Harmonies

Analogous

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



68.5829, 0.2707, 0.2701



68.5829, 0.3028, 0.2772



68.5829, 0.3395, 0.2962

Triad

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



68.5829, 0.3028, 0.2772



68.5829, 0.3780, 0.3785



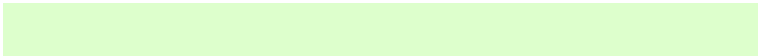
68.5829, 0.2580, 0.3311

Complementary

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



68.5829, 0.3028, 0.2772



91.2414, 0.3207, 0.3827

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.



68.5829, 0.2844, 0.3653



68.5829, 0.3028, 0.2772



68.5829, 0.3538, 0.3928

Square

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



68.5829, 0.3028, 0.2772



68.5829, 0.3843, 0.3527



68.5829, 0.3193, 0.3887



68.5829, 0.2460, 0.2987

Rectangle

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



68.5829, 0.3028, 0.2772



68.5829, 0.3612, 0.3136



68.5829, 0.3193, 0.3887



68.5829, 0.2654, 0.3429

Sweetspot

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



68.5845, 0.3028, 0.2772



89.6721, 0.3101, 0.3142



71.7634, 0.2804, 0.2924



18.9631, 0.3098, 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.



68.5845, 0.3028, 0.2772



63.3194, 0.3004, 0.2662



71.1235, 0.3210, 0.2870



17.9803, 0.3084, 0.3052



8.3383, 0.2384, 0.1087



0.8716, 0.2479, 0.1139

Inverse Universe

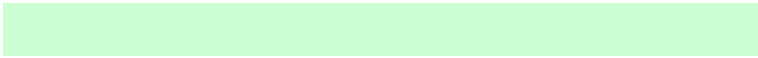
The Inverse Universe completely reimagines the original color for something new.



69.6563, 0.3397, 0.3119



64.6167, 0.3466, 0.3083



89.1335, 0.3054, 0.3749



18.0866, 0.3242, 0.3211



11.4739, 0.5651, 0.2886



1.1365, 0.5332, 0.2711

Previews

White Background



This preview shows how the Yxy color 68.5829, 0.3028, 0.2772 looks on a white background.

Color Contrast Check

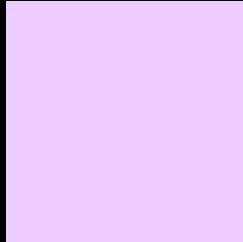
Large Text (above 18pt) WCAG AA × Fail

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 68.5829, 0.3028, 0.2772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

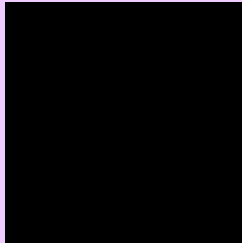
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.5829, 0.3028, 0.2772

Background



This preview shows how black text looks on a background with the Yxy color 68.5829, 0.3028, 0.2772.

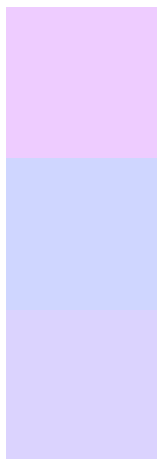


This preview shows how white text looks on a background with the Yxy color 68.5829, 0.3028, 0.2772.

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

68.5829, 0.3028, 0.2772

Protanopia

68.5785, 0.2818, 0.2849

Deuteranopia

68.8044, 0.2903, 0.2837



Tritanopia

68.5843, 0.3195, 0.3110

Trichromacy



Original Color

68.5829, 0.3028, 0.2772

Protanomaly

68.2186, 0.2889, 0.2815

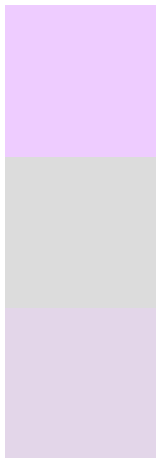
Deuteranomaly

68.4363, 0.2950, 0.2811

Tritanomaly

68.4022, 0.3127, 0.2977

Monochromacy



Original Color

68.5829, 0.3028, 0.2772

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

70.3072, 0.3093, 0.3088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5829, 0.3028, 0.2772 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(238, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 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(238, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 204, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.5829, 0.3028, 0.2772 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(238, 204, 255) }
```

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

```
.border{ border-color:rgb(238, 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(238, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(238, 204,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5829, 0.3028, 0.2772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 204, 255) }
```

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

```
.background{ background-color: rgb(238,  
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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