

Converting Colors

$Y_{xy}(68.2426, 0.3014, 0.2770)$

Have a look what the booklet for
Yxy(68.2426, 0.3014, 0.2770)
contains.

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Color

Yxy(68.2386, 0.3014, 0.2770)

Conversions

Conversions Part 1

Format	Color
Hex	ECCCCF
RGB	236, 204, 255
RGB Percent	93%, 80%, 100%
CMY	0.0743, 0.2001, 0.0000
CMYK	0.07, 0.20, 0.00, 0.00
HSL	278°, 100%, 90%
HSV	278°, 20%, 100%
XYZ	74.2495, 68.2386, 103.8606
YIQ	219.3820, 2.7010, 22.6450

Conversions

Conversions Part 2

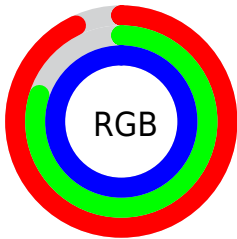
Format	Color
R _Y B	236, 204, 255
Decimal	15518975
CIE Lab	86.13, 20.29, -20.80
CIE LCh	86, 29.059, 314.299
Yxy	68.2386, 0.3014, 0.2770
Android (android.graphics.Color)	4293709055 (0xFFECCCFF)
YUV	219.3820, 17.5597, 14.5740
Hunter-Lab	82.6067, 15.8799, -16.7201

Details

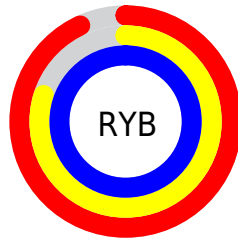
The Yxy color **68.2386, 0.3014, 0.2770** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **91.5502, 0.3220, 0.3825**, and the grayscale version is **70.9975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.5932, 0.2986, 0.2662** is the 20% darker color. If you saturate the color by 10%, you get **55.5196, 0.2943, 0.2490**, and if you desaturate by 10%, it is **83.0335, 0.3075, 0.3038**.

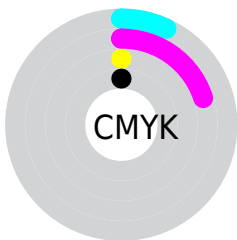
Distribution



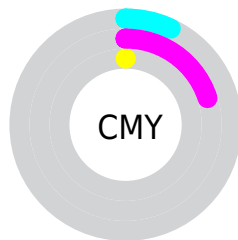
- Red (93%)
- Green (80%)
- Blue (100%)



- 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 68.2386, 0.3014, 0.2770 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 68.2386, 0.3014, 0.2770 by changing the saturation by 10% instead.


 68.2386, 0.3014,
0.2770

 68.2386, 0.3014,
0.2770


454.3409, 0.3070,
0.3004

 50.0919, 0.3000,
0.2718


116.6934, 0.3034,
0.2850

 35.4864, 0.2983,
0.2655


147.7703, 0.3042,
0.2881

 24.0378, 0.2961,
0.2577


183.9260, 0.3048,
0.2908

 15.3617, 0.2931,
0.2477

225.5449, 0.3054,
0.2932

 9.0736, 0.2889,
0.2345

273.0115, 0.3059,
0.2953

 4.7892, 0.2825,
0.2163

326.7101, 0.3063,

 2.1241, 0.2720,

0.2972

0.1899

387.0251, 0.3067,
0.2989

0.6781, 0.2535,
0.1461

0.0000, 0.0816,
0.0000

68.2386, 0.3014,
0.2770

68.2386, 0.3014,
0.2770

55.5196, 0.2943,
0.2490

83.0335, 0.3075,
0.3038

44.7700, 0.2861,
0.2205

99.9868, 0.3127,
0.3290

35.8869, 0.2771,
0.1926

99.9997, 0.3127,
0.3290

28.7542, 0.2673,
0.1666

■ 23.2425, 0.2572,
0.1437

■ 19.2039, 0.2470,
0.1252

■ 16.4622, 0.2372,
0.1117

■ 14.7308, 0.2280,
0.1030

Harmonies

Analogous

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



68.2386, 0.2699, 0.2705



68.2386, 0.3014, 0.2770



68.2386, 0.3378, 0.2954

Triad

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



68.2386, 0.3014, 0.2770



68.2386, 0.3782, 0.3773



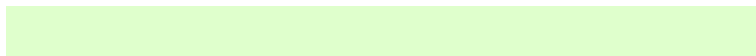
68.2386, 0.2592, 0.3326

Complementary

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



68.2386, 0.3014, 0.2770



91.5502, 0.3220, 0.3825

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.



68.2386, 0.2859, 0.3663



68.2386, 0.3014, 0.2770



68.2386, 0.3548, 0.3921

Square

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



68.2386, 0.3014, 0.2770



68.2386, 0.3836, 0.3514



68.2386, 0.3208, 0.3888



68.2386, 0.2467, 0.3001

Rectangle

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



68.2386, 0.3014, 0.2770



68.2386, 0.3597, 0.3125



68.2386, 0.3208, 0.3888



68.2386, 0.2668, 0.3443

Sweetspot

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



68.2415, 0.3014, 0.2770



89.5626, 0.3097, 0.3141



73.1181, 0.2805, 0.2952



18.9372, 0.3094, 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.



68.2415, 0.3014, 0.2770



62.9187, 0.2987, 0.2659



71.2793, 0.3192, 0.2846



17.9438, 0.3078, 0.3051



7.7854, 0.2294, 0.1038



0.8203, 0.2398, 0.1095

Inverse Universe

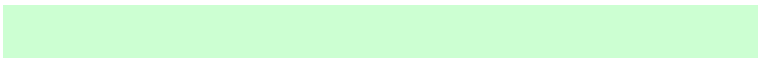
The Inverse Universe completely reimagines the original color for something new.



69.7601, 0.3382, 0.3099



64.7390, 0.3447, 0.3059



89.0019, 0.3068, 0.3778



18.0986, 0.3236, 0.3202



11.5634, 0.5501, 0.2804



1.1462, 0.5190, 0.2633

Previews

White Background



This preview shows how the Yxy color 68.2386, 0.3014, 0.2770 looks on a white background.

Color Contrast Check

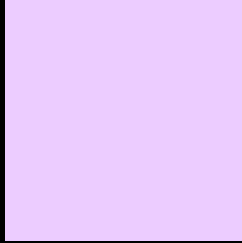
Large Text (above 18pt) WCAG AA × Fail

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 68.2386, 0.3014, 0.2770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

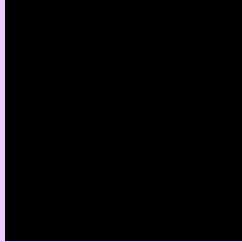
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

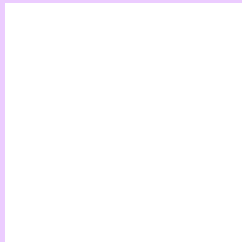
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.2386, 0.3014, 0.2770

Background



This preview shows how black text looks on a background with the Yxy color 68.2386, 0.3014, 0.2770.

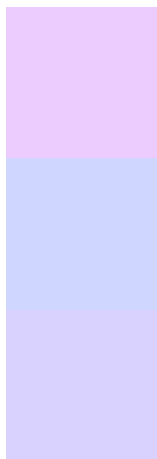


This preview shows how white text looks on a background with the Yxy color 68.2386, 0.3014, 0.2770.

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

68.2386, 0.3014, 0.2770

Protanopia

68.5785, 0.2818, 0.2849

Deuteranopia

68.1544, 0.2895, 0.2825



Tritanopia

68.2477, 0.3180, 0.3109

Trichromacy



Original Color

68.2386, 0.3014, 0.2770

Protanomaly

68.2186, 0.2889, 0.2815

Deuteranomaly

68.2751, 0.2943, 0.2810

Tritanomaly

68.0637, 0.3112, 0.2975

Monochromacy



Original Color

68.2386, 0.3014, 0.2770

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

69.9269, 0.3086, 0.3097

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.2386, 0.3014, 0.2770 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(236, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 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(236, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 204, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.2386, 0.3014, 0.2770 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(236, 204, 255) }
```

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

```
.border{ border-color:rgb(236, 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(236, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 204,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.2386, 0.3014, 0.2770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 204, 255) }
```

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

```
.background{ background-color: rgb(236,  
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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