

Converting Colors

$Y_{xy}(71.1360, 0.2786, 0.2455)$

Have a look what the booklet for
Yxy(71.1360, 0.2786, 0.2455)
contains.

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Color

Yxy(68.7155, 0.3013, 0.2780)

Conversions

Conversions Part 1

Format	Color
Hex	ECCDFE
RGB	236, 205, 255
RGB Percent	93%, 80%, 100%
CMY	0.0746, 0.1961, 0.0000
CMYK	0.07, 0.20, 0.00, 0.00
HSL	277°, 100%, 90%
HSV	277°, 20%, 100%
XYZ	74.4747, 68.7155, 103.9878
YIQ	219.9690, 2.4260, 22.1220

Conversions

Conversions Part 2

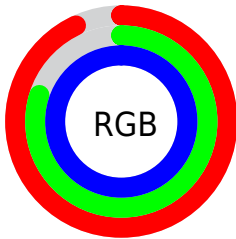
Format	Color
R _Y B	236, 205, 255
Decimal	15519231
CIE _{Lab}	86.36, 19.74, -20.47
CIE _{LCh}	86, 28.435, 313.957
Yxy	68.7155, 0.3013, 0.2780
Android (android.graphics.Color)	4293709311 (0xFFECCDFF)
YUV	219.9690, 17.2703, 14.0592
Hunter-Lab	82.8948, 15.3029, -16.3503

Details

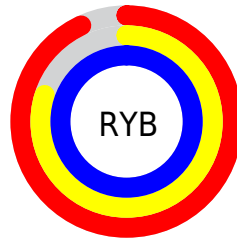
The Yxy color **68.7155, 0.3013, 0.2780** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **91.7792, 0.3221, 0.3813**, and the grayscale version is **71.4211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.9137, 0.2986, 0.2675** is the 20% darker color. If you saturate the color by 10%, you get **55.8776, 0.2940, 0.2500**, and if you desaturate by 10%, it is **83.6310, 0.3076, 0.3049**.

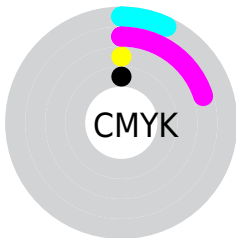
Distribution



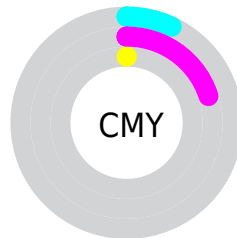
- Red (93%)
- Green (80%)
- Blue (100%)



- 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 68.7155, 0.3013, 0.2780 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 68.7155, 0.3013, 0.2780 by changing the saturation by 10% instead.


 68.7155, 0.3013,
0.2780

 68.7155, 0.3013,
0.2780


456.0269, 0.3069,
0.3009

 50.4800, 0.2999,
0.2729

117.3751, 0.3033,
0.2858

 35.7950, 0.2982,
0.2668


148.5681, 0.3041,
0.2889

 24.2759, 0.2960,
0.2591


184.8490, 0.3047,
0.2916

 15.5384, 0.2930,
0.2492


226.6023, 0.3053,
0.2939

 9.1981, 0.2888,
0.2363

274.2124, 0.3058,
0.2960

 4.8706, 0.2825,
0.2184

328.0635, 0.3062,

 2.1716, 0.2722,

0.2978

0.1925

388.5403, 0.3066,
0.2994

0.7044, 0.2537,
0.1501

0.0000, 0.0908,
0.0000

68.7155, 0.3013,
0.2780

68.7155, 0.3013,
0.2780

55.8776, 0.2940,
0.2500

83.6310, 0.3076,
0.3049

45.0206, 0.2857,
0.2214

100.0000, 0.3127,
0.3290

36.0388, 0.2764,
0.1933

28.8162, 0.2665,
0.1670

■ 23.2241, 0.2561,
0.1438

■ 19.1153, 0.2456,
0.1249

■ 16.3148, 0.2356,
0.1111

■ 14.5493, 0.2262,
0.1021

■ 14.4886, 0.2259,
0.1018

Harmonies

Analogous

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



68.7155, 0.2706, 0.2718



68.7155, 0.3013, 0.2780



68.7155, 0.3368, 0.2959

Triad

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



68.7155, 0.3013, 0.2780



68.7155, 0.3768, 0.3760



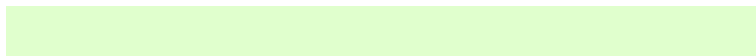
68.7155, 0.2607, 0.3329

Complementary

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



68.7155, 0.3013, 0.2780



91.7792, 0.3221, 0.3813

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.



68.7155, 0.2869, 0.3657



68.7155, 0.3013, 0.2780



68.7155, 0.3541, 0.3905

Square

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



68.7155, 0.3013, 0.2780



68.7155, 0.3819, 0.3507



68.7155, 0.3210, 0.3875



68.7155, 0.2482, 0.3011

Rectangle

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



68.7155, 0.3013, 0.2780



68.7155, 0.3582, 0.3126



68.7155, 0.3210, 0.3875



68.7155, 0.2681, 0.3443

Sweetspot

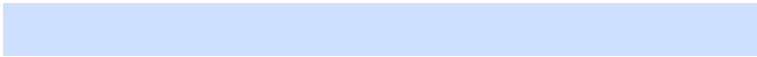
The Sweet Spot groups the original color and five complimentary colors.



68.7151, 0.3013, 0.2781



89.5365, 0.3096, 0.3141



73.6028, 0.2812, 0.2960



18.9310, 0.3093, 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.



68.7151, 0.3013, 0.2781



62.8234, 0.2983, 0.2658



71.7754, 0.3191, 0.2855



17.9351, 0.3077, 0.3051



7.6590, 0.2273, 0.1026



0.8085, 0.2379, 0.1084

Inverse Universe

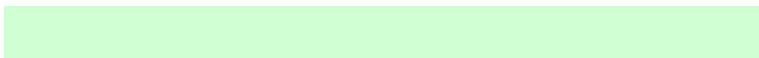
The Inverse Universe completely reimagines the original color for something new.



70.3086, 0.3373, 0.3098



64.7686, 0.3442, 0.3053



89.1950, 0.3069, 0.3767



18.1014, 0.3234, 0.3200



11.5866, 0.5463, 0.2783



1.1486, 0.5156, 0.2614

Previews

White Background



This preview shows how the Yxy color 68.7155, 0.3013, 0.2780 looks on a white background.

Color Contrast Check

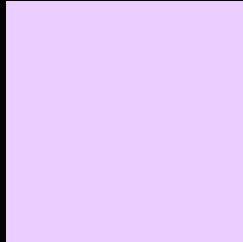
Large Text (above 18pt) WCAG AA × Fail

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 68.7155, 0.3013, 0.2780 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

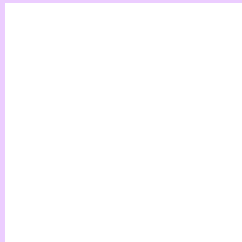
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.7155, 0.3013, 0.2780

Background



This preview shows how black text looks on a background with the Yxy color 68.7155, 0.3013, 0.2780.

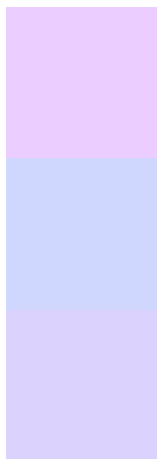


This preview shows how white text looks on a background with the Yxy color 68.7155, 0.3013, 0.2780.

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

68.7155, 0.3013, 0.2780

Protanopia

69.2308, 0.2825, 0.2861

Deuteranopia

68.8044, 0.2903, 0.2837



Tritanopia

68.7950, 0.3173, 0.3110

Trichromacy



Original Color

68.7155, 0.3013, 0.2780

Protanomaly

68.7140, 0.2890, 0.2826

Deuteranomaly

68.7642, 0.2943, 0.2821

Tritanomaly

68.5498, 0.3112, 0.2986

Monochromacy



Original Color

68.7155, 0.3013, 0.2780

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

70.6528, 0.3086, 0.3098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7155, 0.3013, 0.2780 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, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 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(236, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 205, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.7155, 0.3013, 0.2780 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, 205, 255) }
```

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

```
.border{ border-color:rgb(236, 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(236, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 205,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7155, 0.3013, 0.2780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 205, 255) }
```

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

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