

Converting Colors

$Y_{xy}(83.6675, 0.2353, 0.1841)$

Have a look what the booklet for
Yxy(83.6675, 0.2353, 0.1841)
contains.

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Color

Yxy(71.6639, 0.3034, 0.2835)

Conversions

Conversions Part 1

Format	Color
Hex	EFD2FF
RGB	239, 210, 255
RGB Percent	94%, 82%, 100%
CMY	0.0628, 0.1764, 0.0000
CMYK	0.06, 0.18, 0.00, 0.00
HSL	279°, 100%, 91%
HSV	279°, 18%, 100%
XYZ	76.6943, 71.6639, 104.4245
YIQ	223.8010, 2.8390, 20.1430

Conversions

Conversions Part 2

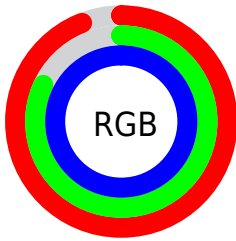
Format	Color
R_{YB}	239, 210, 255
Decimal	15717119
CIE Lab	87.81, 18.05, -18.26
CIE LCh	88, 25.671, 314.675
Yxy	71.6639, 0.3034, 0.2835
Android (android.graphics.Color)	4293907199 (0xFFEFD2FF)
YUV	223.8010, 15.3811, 13.3295
Hunter-Lab	84.6545, 13.5698, -13.8783

Details

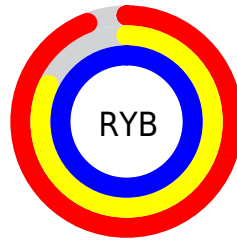
The Yxy color **71.6639, 0.3034, 0.2835** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **92.3446, 0.3205, 0.3758**, and the grayscale version is **74.2778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.5872, 0.3013, 0.2733** is the 20% darker color. If you saturate the color by 10%, you get **58.5206, 0.2968, 0.2558**, and if you desaturate by 10%, it is **86.8945, 0.3090, 0.3100**.

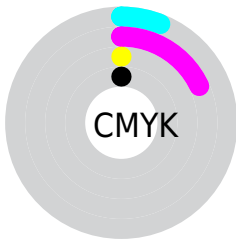
Distribution



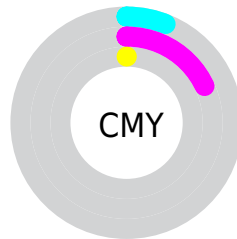
- Red (94%)
- Green (82%)
- Blue (100%)



- Red (94%)
- Yellow (82%)
- Blue (100%)



- Cyan (6%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)




- Cyan (6%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.6639, 0.3034, 0.2835 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 71.6639, 0.3034, 0.2835 by changing the saturation by 10% instead.


 71.6639, 0.3034,
0.2835

 71.6639, 0.3034,
0.2835

466.3709, 0.3080,
0.3039

 52.8842, 0.3023,
0.2790


121.5786, 0.3050,
0.2904

 37.7103, 0.3009,
0.2735

153.4823, 0.3057,
0.2932

 25.7579, 0.2991,
0.2667


190.5295, 0.3062,
0.2956

 16.6426, 0.2967,
0.2580

233.1045, 0.3066,
0.2976

 9.9800, 0.2934,
0.2465

281.5917, 0.3070,
0.2995

 5.3857, 0.2884,
0.2307

336.3756, 0.3074,

 2.4753, 0.2802,

0.3011

0.2077

397.8406, 0.3077,
0.3026

0.8642, 0.2651,
0.1715

0.0000, 0.1716,
0.0000

71.6639, 0.3034,
0.2835

71.6639, 0.3034,
0.2835

58.5206, 0.2968,
0.2558

86.8945, 0.3090,
0.3100

47.3657, 0.2893,
0.2275

100.0000, 0.3127,
0.3290

38.0967, 0.2808,
0.1996

30.6002, 0.2717,
0.1733

■ 24.7507, 0.2620,
0.1499

■ 20.4052, 0.2522,
0.1306

■ 17.3958, 0.2426,
0.1161

■ 15.5010, 0.2336,
0.1067

■ 15.1409, 0.2315,
0.1049

Harmonies

Analogous

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



71.6639, 0.2757, 0.2777



71.6639, 0.3034, 0.2835



71.6639, 0.3350, 0.2999

Triad

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



71.6639, 0.3034, 0.2835



71.6639, 0.3695, 0.3716



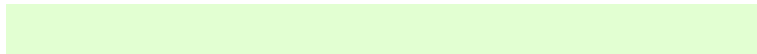
71.6639, 0.2658, 0.3319

Complementary

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



71.6639, 0.3034, 0.2835



92.3446, 0.3205, 0.3758

Split Complementary

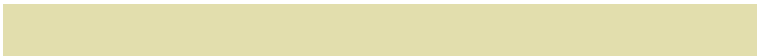
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.6639, 0.2892, 0.3609



71.6639, 0.3034, 0.2835



71.6639, 0.3492, 0.3838

Square

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



71.6639, 0.3034, 0.2835



71.6639, 0.3743, 0.3493



71.6639, 0.3196, 0.3804



71.6639, 0.2549, 0.3038

Rectangle

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



71.6639, 0.3034, 0.2835



71.6639, 0.3538, 0.3150



71.6639, 0.3196, 0.3804



71.6639, 0.2724, 0.3420

Sweetspot

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



71.6648, 0.3034, 0.2835



91.2829, 0.3104, 0.3167



75.5893, 0.2845, 0.2988



19.2855, 0.3100, 0.3149



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.



71.6648, 0.3034, 0.2835



67.0270, 0.3013, 0.2744



74.1954, 0.3189, 0.2907



17.9582, 0.3081, 0.3052



7.9983, 0.2329, 0.1057



0.8401, 0.2430, 0.1112

Inverse Universe

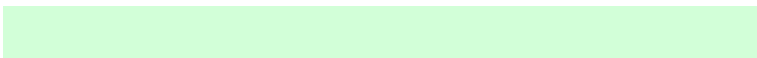
The Inverse Universe completely reimagines the original color for something new.



72.8477, 0.3352, 0.3130



68.4375, 0.3404, 0.3097



90.1805, 0.3071, 0.3706



18.0938, 0.3238, 0.3206



11.5268, 0.5561, 0.2837



1.1422, 0.5247, 0.2664

Previews

White Background



This preview shows how the Yxy color 71.6639, 0.3034, 0.2835 looks on a white background.

Color Contrast Check

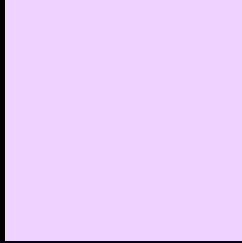
Large Text (above 18pt) WCAG AA × Fail

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 71.6639, 0.3034, 0.2835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

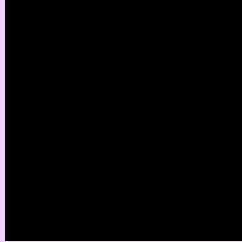
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

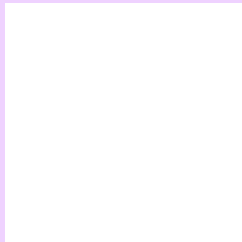
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.6639, 0.3034, 0.2835

Background



This preview shows how black text looks on a background with the Yxy color 71.6639, 0.3034, 0.2835.

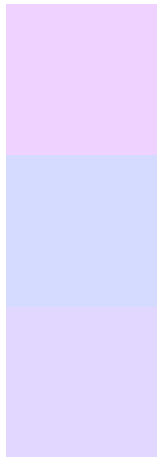


This preview shows how white text looks on a background with the Yxy color 71.6639, 0.3034, 0.2835.

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

71.6639, 0.3034, 0.2835

Protanopia

72.0292, 0.2860, 0.2909

Deuteranopia

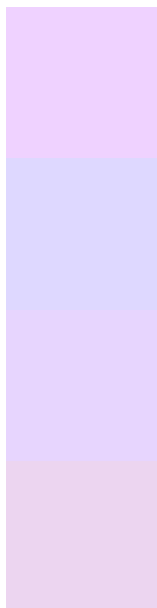
71.9254, 0.2951, 0.2886



Tritanopia

71.5248, 0.3165, 0.3112

Trichromacy



Original Color

71.6639, 0.3034, 0.2835

Protanomaly

71.8613, 0.2918, 0.2883

Deuteranomaly

71.7332, 0.2985, 0.2869

Tritanomaly

71.7126, 0.3111, 0.3011

Monochromacy



Original Color

71.6639, 0.3034, 0.2835

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

73.3192, 0.3093, 0.3122

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.6639, 0.3034, 0.2835 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(239, 210, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 210, 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(239, 210, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 210, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.6639, 0.3034, 0.2835 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(239, 210, 255) }
```

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

```
.border{ border-color:rgb(239, 210, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 210, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 210, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 210, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 210,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.6639, 0.3034, 0.2835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 210, 255) }
```

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

```
.background{ background-color: rgb(239,  
210, 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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