

Converting Colors

$Y_{xy}(69.7208, 0.3042, 0.2791)$

Have a look what the booklet for
Yxy(69.7208, 0.3042, 0.2791)
contains.

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Color

Yxy(69.8879, 0.3042, 0.2795)

Conversions

Conversions Part 1

Format	Color
Hex	F0CEFF
RGB	240, 206, 255
RGB Percent	94%, 81%, 100%
CMY	0.0587, 0.1922, 0.0000
CMYK	0.06, 0.19, 0.00, 0.00
HSL	282°, 100%, 90%
HSV	282°, 19%, 100%
XYZ	76.0640, 69.8879, 104.0942
YIQ	221.7520, 4.5350, 22.4470

Conversions

Conversions Part 2

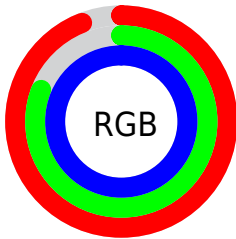
Format	Color
R_{YB}	240, 206, 255
Decimal	15781631
CIE _{Lab}	86.94, 20.50, -19.54
CIE _{LCh}	87, 28.318, 316.373
Yxy	69.8879, 0.3042, 0.2795
Android (android.graphics.Color)	4293971711 (0xFFFF0CEFF)
YUV	221.7520, 16.3913, 16.0035
Hunter-Lab	83.5990, 16.1132, -15.3063

Details

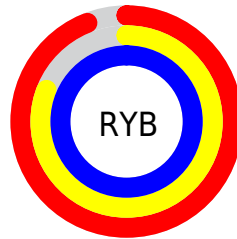
The Yxy color **69.8879, 0.3042, 0.2795** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **91.3429, 0.3196, 0.3805**, and the grayscale version is **72.7460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.7240, 0.3023, 0.2695** is the 20% darker color. If you saturate the color by 10%, you get **57.2583, 0.2986, 0.2521**, and if you desaturate by 10%, it is **84.5726, 0.3090, 0.3060**.

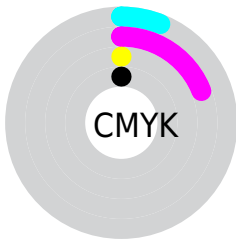
Distribution



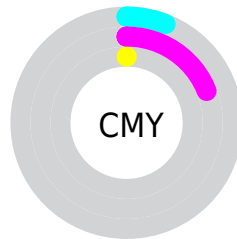
- Red (94%)
- Green (81%)
- Blue (100%)



- Red (94%)
- Yellow (81%)
- Blue (100%)



- Cyan (6%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)





- Cyan (6%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.8879, 0.3042, 0.2795 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 69.8879, 0.3042, 0.2795 by changing the saturation by 10% instead.


 69.8879, 0.3042,
0.2795

 69.8879, 0.3042,
0.2795


460.1563, 0.3085,
0.3017

 51.4352, 0.3032,
0.2746


119.0489, 0.3057,
0.2871

 36.5550, 0.3018,
0.2686


150.5259, 0.3063,
0.2900

 24.8632, 0.3001,
0.2612


187.1131, 0.3068,
0.2926

 15.9751, 0.2978,
0.2518

229.1950, 0.3072,
0.2949

 9.5066, 0.2944,
0.2393

277.1558, 0.3076,
0.2969

 5.0730, 0.2894,
0.2222

331.3801, 0.3079,

 2.2902, 0.2811,

0.2987

0.1973

392.2521, 0.3082,
0.3003

0.7685, 0.2656,
0.1578

0.0000, 0.1518,
0.0000

69.8879, 0.3042,
0.2795

69.8879, 0.3042,
0.2795

57.2583, 0.2986,
0.2521

84.5726, 0.3090,
0.3060

46.5798, 0.2921,
0.2243

100.0000, 0.3127,
0.3290

37.7504, 0.2849,
0.1974

30.6554, 0.2770,
0.1724

■ 25.1674, 0.2687,
0.1505

■ 21.1407, 0.2602,
0.1329

■ 18.4027, 0.2520,
0.1202

■ 16.6933, 0.2441,
0.1121

■ 16.5782, 0.2435,
0.1115

Harmonies

Analogous

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



69.8879, 0.2731, 0.2723



69.8879, 0.3042, 0.2795



69.8879, 0.3394, 0.2981

Triad

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



69.8879, 0.3042, 0.2795



69.8879, 0.3750, 0.3772



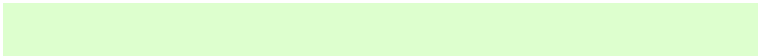
69.8879, 0.2596, 0.3302

Complementary

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



69.8879, 0.3042, 0.2795



91.3429, 0.3196, 0.3805

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.



69.8879, 0.2847, 0.3630



69.8879, 0.3042, 0.2795



69.8879, 0.3514, 0.3904

Square

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



69.8879, 0.3042, 0.2795



69.8879, 0.3815, 0.3527



69.8879, 0.3182, 0.3858



69.8879, 0.2485, 0.2993

Rectangle

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



69.8879, 0.3042, 0.2795



69.8879, 0.3600, 0.3150



69.8879, 0.3182, 0.3858



69.8879, 0.2666, 0.3415

Sweetspot

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



69.8904, 0.3042, 0.2795



89.7479, 0.3104, 0.3142



72.3254, 0.2817, 0.2931



18.9810, 0.3101, 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.



69.8904, 0.3042, 0.2795



64.8765, 0.3022, 0.2692



72.0549, 0.3212, 0.2895



18.0056, 0.3089, 0.3052



8.7446, 0.2448, 0.1122



0.9089, 0.2536, 0.1171

Inverse Universe

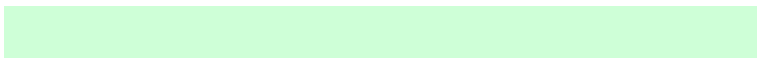
The Inverse Universe completely reimagines the original color for something new.



70.6188, 0.3394, 0.3139



65.7667, 0.3460, 0.3108



89.5463, 0.3052, 0.3720



18.0784, 0.3246, 0.3218



11.4187, 0.5749, 0.2941



1.1303, 0.5429, 0.2764

Previews

White Background



This preview shows how the Yxy color 69.8879, 0.3042, 0.2795 looks on a white background.

Color Contrast Check

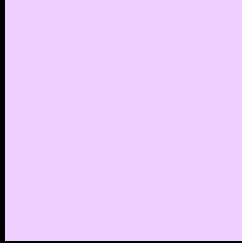
Large Text (above 18pt) WCAG AA × Fail

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 69.8879, 0.3042, 0.2795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

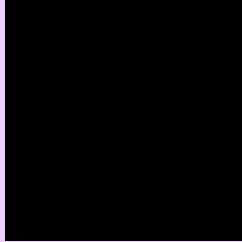
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

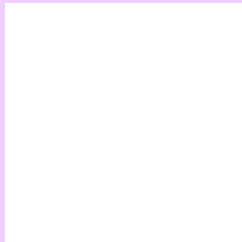
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.8879, 0.3042, 0.2795

Background



This preview shows how black text looks on a background with the Yxy color 69.8879, 0.3042, 0.2795.

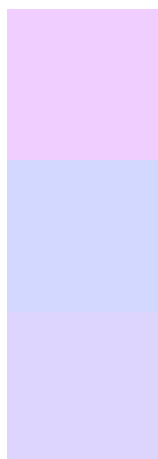


This preview shows how white text looks on a background with the Yxy color 69.8879, 0.3042, 0.2795.

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

69.8879, 0.3042, 0.2795

Protanopia

70.0334, 0.2839, 0.2874

Deuteranopia

70.2739, 0.2923, 0.2861



Tritanopia

69.9674, 0.3202, 0.3122

Trichromacy



Original Color

69.8879, 0.3042, 0.2795

Protanomaly

69.6791, 0.2910, 0.2840

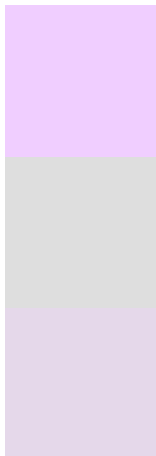
Deuteranomaly

69.9070, 0.2971, 0.2835

Tritanomaly

69.7199, 0.3141, 0.2999

Monochromacy



Original Color

69.8879, 0.3042, 0.2795

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

71.7103, 0.3100, 0.3100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.8879, 0.3042, 0.2795 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(240, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(240, 206, 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(240, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 206, 255) }
```

Border

The CSS property to change the border of an element to Yxy 69.8879, 0.3042, 0.2795 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(240, 206, 255) }
```

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

```
.border{ border-color:rgb(240, 206, 255) }
```

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

Here you see how a box with a 4 pixel rgb(240, 206, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 206,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 69.8879, 0.3042, 0.2795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 206, 255) }
```

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

```
.background{ background-color: rgb(240,  
206, 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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