

Converting Colors

$Y_{xy}(70.4112, 0.3092, 0.2801)$

Have a look what the booklet for
Yxy(70.4112, 0.3092, 0.2801)
contains.

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Color

Yxy(70.4112, 0.3092, 0.2801)

Conversions

Conversions Part 1

Format	Color
Hex	F6CDFE
RGB	246, 205, 254
RGB Percent	96%, 80%, 100%
CMY	0.0353, 0.1961, 0.0040
CMYK	0.03, 0.19, 0.00, 0.00
HSL	290°, 96%, 90%
HSV	290°, 19%, 100%
XYZ	77.7263, 70.4112, 103.2413
YIQ	222.8450, 8.7070, 23.9310

Conversions

Conversions Part 2

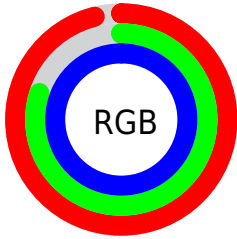
Format	Color
R _Y B	246, 205, 254
Decimal	16174590
CIE Lab	87.20, 22.75, -18.56
CIE LCh	87, 29.358, 320.797
Yxy	70.4112, 0.3092, 0.2801
Android (android.graphics.Color)	4294364670 (0xFFF6CDFE)
YUV	222.8450, 15.3594, 20.3069
Hunter-Lab	83.9114, 18.4980, -14.2101

Details

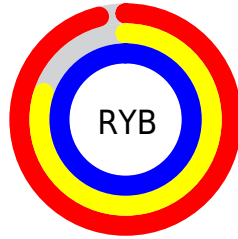
The Yxy color **70.4112, 0.3092, 0.2801** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **89.4203, 0.3152, 0.3814**, and the grayscale version is **73.5625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.9833, 0.3078, 0.2702** is the 20% darker color. If you saturate the color by 10%, you get **58.4943, 0.3067, 0.2538**, and if you desaturate by 10%, it is **84.3229, 0.3112, 0.3060**.

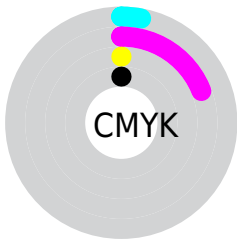
Distribution



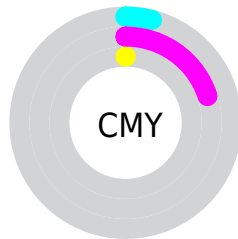
- Red (96%)
- Green (80%)
- Blue (100%)



- Red (96%)
- Yellow (80%)
- Blue (100%)



- Cyan (3%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)




- Cyan (4%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.4112, 0.3092, 0.2801 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 70.4112, 0.3092, 0.2801 by changing the saturation by 10% instead.


 70.4112, 0.3092,
0.2801

 70.4112, 0.3092,
0.2801


461.9925, 0.3112,
0.3020

 51.8618, 0.3087,
0.2753


119.7950, 0.3099,
0.2875

 36.8950, 0.3080,
0.2694


151.3982, 0.3102,
0.2905

 25.1262, 0.3071,
0.2622


188.1214, 0.3105,
0.2930

 16.1711, 0.3058,
0.2529

230.3491, 0.3106,
0.2953

 9.6453, 0.3038,
0.2407

278.4657, 0.3108,
0.2972

 5.1644, 0.3008,
0.2239

332.8555, 0.3109,

 2.3441, 0.2955,

0.2990

0.1997

393.9030, 0.3111,
0.3005

0.7969, 0.2849,
0.1615

0.0000, 0.2135,
0.0000

70.4112, 0.3092,
0.2801

70.4112, 0.3092,
0.2801

58.4943, 0.3067,
0.2538

84.3229, 0.3112,
0.3060

48.4681, 0.3038,
0.2277

99.7972, 0.3129,
0.3300

40.2326, 0.3004,
0.2031

99.9344, 0.3133,
0.3300

33.6749, 0.2966,
0.1808

■ 28.6694, 0.2925,
0.1620

■ 25.0724, 0.2882,
0.1474

■ 22.7134, 0.2839,
0.1374

■ 21.3333, 0.2796,
0.1316

■ 21.2495, 0.2793,
0.1312

Harmonies

Analogous

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



70.4112, 0.2759, 0.2708



70.4112, 0.3092, 0.2801



70.4112, 0.3453, 0.3007

Triad

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



70.4112, 0.3092, 0.2801



70.4112, 0.3744, 0.3817



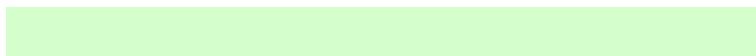
70.4112, 0.2552, 0.3250

Complementary

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



70.4112, 0.3092, 0.2801



89.4203, 0.3152, 0.3814

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.



70.4112, 0.2792, 0.3595



70.4112, 0.3092, 0.2801



70.4112, 0.3480, 0.3931

Square

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



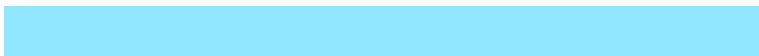
70.4112, 0.3092, 0.2801



70.4112, 0.3842, 0.3576



70.4112, 0.3130, 0.3854



70.4112, 0.2461, 0.2942

Rectangle

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



70.4112, 0.3092, 0.2801



70.4112, 0.3656, 0.3186



70.4112, 0.3130, 0.3854



70.4112, 0.2617, 0.3367

Sweetspot

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



70.4142, 0.3092, 0.2801



90.1546, 0.3118, 0.3142



67.8069, 0.2811, 0.2849



19.0774, 0.3117, 0.3126



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.



70.4142, 0.3092, 0.2801



66.3529, 0.3083, 0.2703



70.8846, 0.3265, 0.2964



18.1420, 0.3112, 0.3054



11.2601, 0.2800, 0.1316



1.1345, 0.2849, 0.1343

Inverse Universe

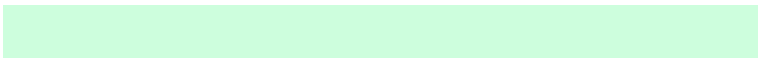
The Inverse Universe completely reimagines the original color for something new.



69.5345, 0.3448, 0.3209



65.3489, 0.3527, 0.3193



89.0881, 0.3012, 0.3640



18.0353, 0.3269, 0.3252



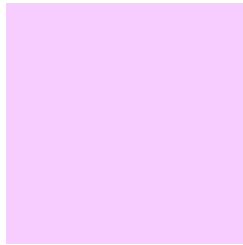
11.2083, 0.6171, 0.3173



1.1044, 0.5893, 0.3020

Previews

White Background



This preview shows how the Yxy color 70.4112, 0.3092, 0.2801 looks on a white background.

Color Contrast Check

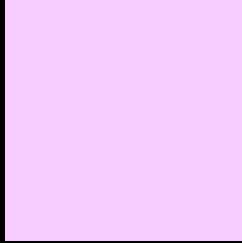
Large Text (above 18pt) WCAG AA × Fail

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 70.4112, 0.3092, 0.2801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

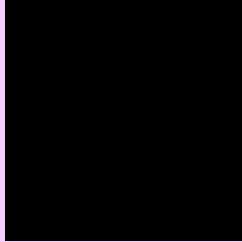
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.4112, 0.3092, 0.2801

Background



This preview shows how black text looks on a background with the Yxy color 70.4112, 0.3092, 0.2801.

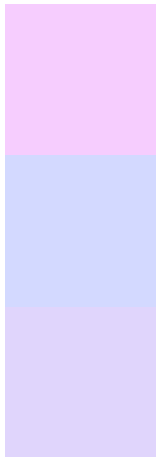


This preview shows how white text looks on a background with the Yxy color 70.4112, 0.3092, 0.2801.

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

70.4112, 0.3092, 0.2801

Protanopia

70.6946, 0.2846, 0.2885

Deuteranopia

70.4641, 0.2950, 0.2882



Tritanopia

70.4614, 0.3254, 0.3124

Trichromacy



Original Color

70.4112, 0.3092, 0.2801

Protanomaly

70.6558, 0.2931, 0.2853

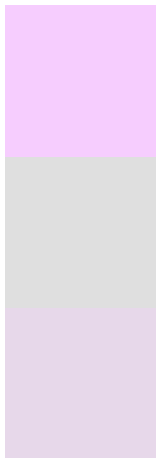
Deuteranomaly

70.3408, 0.2998, 0.2848

Tritanomaly

70.2226, 0.3192, 0.3003

Monochromacy



Original Color

70.4112, 0.3092, 0.2801

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

72.0412, 0.3115, 0.3101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4112, 0.3092, 0.2801 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(246, 205, 254)` looks like.

```
.text, #text, p{  
    color:rgb(246, 205, 254)  
}
```

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(246, 205, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 205, 254) }
```

Border

The CSS property to change the border of an element to Yxy 70.4112, 0.3092, 0.2801 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(246, 205, 254) }
```

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

```
.border{ border-color:rgb(246, 205, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 205, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 205, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 205, 254);  
box-shadow:4px 4px 4px 4px rgb(246, 205,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 70.4112, 0.3092, 0.2801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 205, 254) }
```

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

```
.background{ background-color: rgb(246,  
205, 254) }
```

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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