

Converting Colors

$Y_{xy}(80.6940, 0.2412, 0.1901)$

Have a look what the booklet for
Yxy(80.6940, 0.2412, 0.1901)
contains.

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Color

Yxy(70.3709, 0.3042, 0.2805)

Conversions

Conversions Part 1

Format	Color
Hex	F0CFFF
RGB	240, 207, 255
RGB Percent	94%, 81%, 100%
CMY	0.0586, 0.1883, 0.0000
CMYK	0.06, 0.19, 0.00, 0.00
HSL	281°, 100%, 91%
HSV	281°, 19%, 100%
XYZ	76.3167, 70.3709, 104.1891
YIQ	222.3390, 4.2600, 21.9240

Conversions

Conversions Part 2

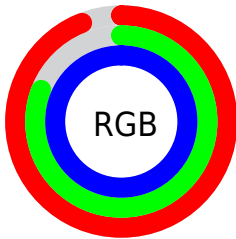
Format	Color
R _Y B	240, 207, 255
Decimal	15781887
CIE Lab	87.18, 19.99, -19.19
CIE LCh	87, 27.711, 316.172
Yxy	70.3709, 0.3042, 0.2805
Android (android.graphics.Color)	4293971967 (0xFFFF0CFFF)
YUV	222.3390, 16.1019, 15.4887
Hunter-Lab	83.8874, 15.5878, -14.9177

Details

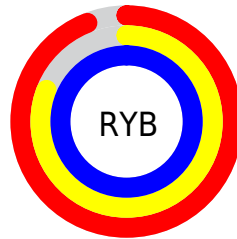
The Yxy color $70.3709, 0.3042, 0.2805$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $91.5404, 0.3196, 0.3794$, and the grayscale version is $73.1851, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $37.0500, 0.3023, 0.2708$ is the 20% darker color. If you saturate the color by 10%, you get $57.6411, 0.2985, 0.2531$, and if you desaturate by 10%, it is $85.1593, 0.3091, 0.3070$.

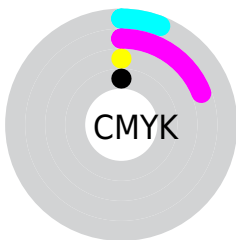
Distribution



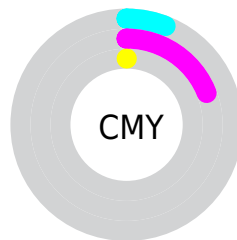
- Red (94%)
- Green (81%)
- Blue (100%)



- 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 70.3709, 0.3042, 0.2805 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 70.3709, 0.3042, 0.2805 by changing the saturation by 10% instead.


 70.3709, 0.3042,
0.2805

 70.3709, 0.3042,
0.2805


461.8512, 0.3085,
0.3022

 51.8290, 0.3032,
0.2757


119.7375, 0.3057,
0.2879

 36.8688, 0.3018,
0.2699


151.3310, 0.3063,
0.2908

 25.1059, 0.3001,
0.2626


188.0438, 0.3068,
0.2934

 16.1560, 0.2978,
0.2533

230.2603, 0.3072,
0.2956

 9.6346, 0.2945,
0.2411

278.3649, 0.3076,
0.2975

 5.1574, 0.2896,
0.2243

332.7420, 0.3079,

 2.3399, 0.2814,

0.2993

0.2000

393.7760, 0.3082,
0.3008

0.7947, 0.2663,
0.1614

0.0000, 0.1602,
0.0000

70.3709, 0.3042,
0.2805

70.3709, 0.3042,
0.2805

57.6411, 0.2985,
0.2531

85.1593, 0.3091,
0.3070

46.8694, 0.2919,
0.2253

100.0000, 0.3127,
0.3290

37.9531, 0.2846,
0.1982

30.7778, 0.2765,
0.1730

■ 25.2167, 0.2681,
0.1509

■ 21.1248, 0.2595,
0.1330

■ 18.3308, 0.2511,
0.1199

■ 16.5861, 0.2431,
0.1116

■ 16.4132, 0.2422,
0.1108

Harmonies

Analogous

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



70.3709, 0.2738, 0.2736



70.3709, 0.3042, 0.2805



70.3709, 0.3385, 0.2986

Triad

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



70.3709, 0.3042, 0.2805



70.3709, 0.3736, 0.3760



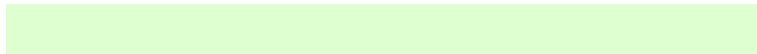
70.3709, 0.2610, 0.3304

Complementary

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



70.3709, 0.3042, 0.2805



91.5404, 0.3196, 0.3794

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.



70.3709, 0.2856, 0.3623



70.3709, 0.3042, 0.2805



70.3709, 0.3507, 0.3889

Square

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



70.3709, 0.3042, 0.2805



70.3709, 0.3798, 0.3521



70.3709, 0.3183, 0.3845



70.3709, 0.2499, 0.3002

Rectangle

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



70.3709, 0.3042, 0.2805



70.3709, 0.3587, 0.3151



70.3709, 0.3183, 0.3845



70.3709, 0.2679, 0.3414

Sweetspot

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



70.3722, 0.3042, 0.2805



89.7322, 0.3103, 0.3142



72.8240, 0.2823, 0.2939



18.9773, 0.3100, 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.



70.3722, 0.3042, 0.2805



64.8207, 0.3019, 0.2692



72.5417, 0.3210, 0.2903



18.0004, 0.3088, 0.3052



8.6590, 0.2434, 0.1115



0.9010, 0.2524, 0.1164

Inverse Universe

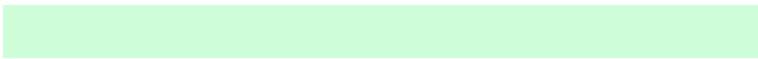
The Inverse Universe completely reimagines the original color for something new.



71.1453, 0.3386, 0.3140



65.7833, 0.3458, 0.3104



89.7292, 0.3054, 0.3710



18.0801, 0.3245, 0.3216



11.4297, 0.5729, 0.2930



1.1315, 0.5409, 0.2753

Previews

White Background



This preview shows how the Yxy color 70.3709, 0.3042, 0.2805 looks on a white background.

Color Contrast Check

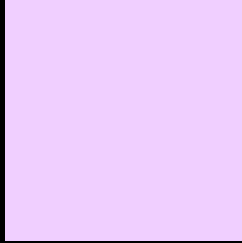
Large Text (above 18pt) WCAG AA × Fail

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 70.3709, 0.3042, 0.2805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

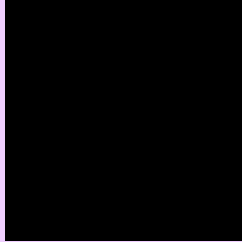
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

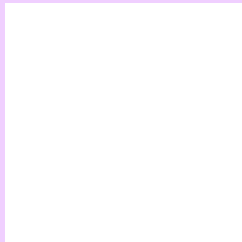
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.3709, 0.3042, 0.2805

Background



This preview shows how black text looks on a background with the Yxy color 70.3709, 0.3042, 0.2805.

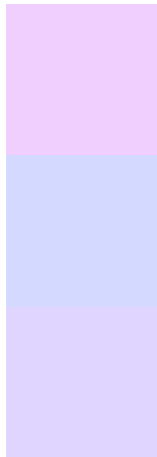


This preview shows how white text looks on a background with the Yxy color 70.3709, 0.3042, 0.2805.

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

70.3709, 0.3042, 0.2805

Protanopia

70.6946, 0.2846, 0.2885

Deuteranopia

70.4322, 0.2930, 0.2862



Tritanopia

70.5213, 0.3194, 0.3122

Trichromacy



Original Color

70.3709, 0.3042, 0.2805

Protanomaly

70.3381, 0.2917, 0.2851

Deuteranomaly

70.4023, 0.2971, 0.2846

Tritanomaly

70.2708, 0.3133, 0.3000

Monochromacy



Original Color

70.3709, 0.3042, 0.2805

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

72.2242, 0.3100, 0.3111

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3709, 0.3042, 0.2805 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, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(240, 207, 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, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 207, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.3709, 0.3042, 0.2805 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, 207, 255) }
```

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

```
.border{ border-color:rgb(240, 207, 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, 207, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 207,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.3709, 0.3042, 0.2805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 207, 255) }
```

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

```
.background{ background-color: rgb(240,  
207, 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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