

Converting Colors

$Y_{xy}(80.1118, 0.3085, 0.3021)$

Have a look what the booklet for
Yxy(80.1118, 0.3085, 0.3021)
contains.

| | |
|--|----|
| Yxy(80.1118, 0.3085, 0.3021) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(80.1118, 0.3085, 0.3021)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F4E1FC |
| RGB | 244, 225, 252 |
| RGB Percent | 96%, 88%, 99% |
| CMY | 0.0431, 0.1176, 0.0117 |
| CMYK | 0.03, 0.11, 0.00, 0.01 |
| HSL | 282°, 82%, 94% |
| HSV | 282°, 11%, 99% |
| XYZ | 81.8090, 80.1118, 103.2623 |
| YIQ | 233.7590, 2.6570, 12.4250 |

Conversions

Conversions Part 2

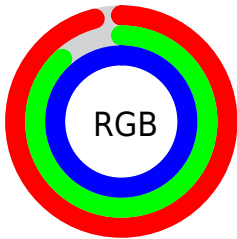
| Format | Color |
|-------------------------------------|--|
| RYB | 244, 225, 252 |
| Decimal | 16048636 |
| CIELab | 91.74, 11.24, -10.75 |
| CIELCh | 92, 15.553, 316.288 |
| Yxy | 80.1118, 0.3085, 0.3021 |
| Android (android.graphics.Color) | 4294238716 (0xFFFF4E1FC) |
| YUV | 233.7590, 8.9928, 8.9814 |
| Hunter-Lab | 89.5052, 6.5173, -5.7493 |

Details

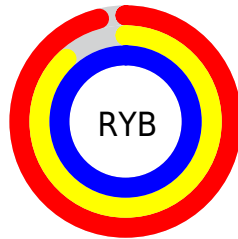
The Yxy color $80.1118, 0.3085, 0.3021$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $92.3948, 0.3165, 0.3565$, and the grayscale version is $82.0207, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.3809, 0.3080, 0.2972$ is the 20% darker color. If you saturate the color by 10%, you get $66.1704, 0.3038, 0.2755$, and if you desaturate by 10%, it is $96.1252, 0.3125, 0.3273$.

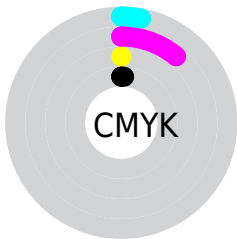
Distribution



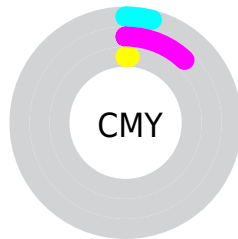
- Red (96%)
- Green (88%)
- Blue (99%)



- Red (96%)
- Yellow (88%)
- Blue (99%)



- Cyan (3%)
- Magenta (11%)
- Yellow (0%)
- Black (1%)





- Cyan (4%)
- Magenta (12%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.1118, 0.3085, 0.3021 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 80.1118, 0.3085, 0.3021 by changing the saturation by 10% instead.


 80.1118, 0.3085,
0.3021

 80.1118, 0.3085,
0.3021

495.3095, 0.3105,
0.3141

 59.8104, 0.3080,
0.2995

133.5229, 0.3092,
0.3062

 43.2658, 0.3074,
0.2962


167.4014, 0.3095,
0.3078

 30.0937, 0.3067,
0.2923


206.5743, 0.3097,
0.3092

 19.9097, 0.3057,
0.2871

251.4260, 0.3099,
0.3104

 12.3294, 0.3043,
0.2804

302.3411, 0.3101,
0.3115

 6.9685, 0.3023,
0.2711

359.7037, 0.3103,

 3.4424, 0.2990,

0.3125

0.2575

423.8984, 0.3104,
0.3133

■ 1.3668, 0.2932,
0.2356

■ 0.1921, 0.2839,
0.1193

■ 80.1118, 0.3085,
0.3021

■ 80.1118, 0.3085,
0.3021

■ 66.1704, 0.3038,
0.2755

■ 96.1252, 0.3125,
0.3273

■ 54.2023, 0.2982,
0.2481

99.8095, 0.3144,
0.3318

■ 44.1162, 0.2919,
0.2205

■ 35.8091, 0.2848,
0.1939

■ 29.1681, 0.2771,
0.1695

■ 24.0673, 0.2690,
0.1484

■ 20.3620, 0.2608,
0.1317

■ 17.8793, 0.2528,
0.1199

■ 16.4144, 0.2458,
0.1127

Harmonies

Analogous

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



80.1118, 0.2917, 0.2985



80.1118, 0.3085, 0.3021



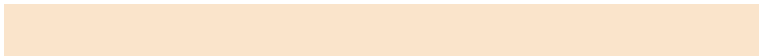
80.1118, 0.3268, 0.3124

Triad

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



80.1118, 0.3085, 0.3021



80.1118, 0.3455, 0.3549



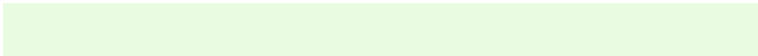
80.1118, 0.2845, 0.3301

Complementary

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



80.1118, 0.3085, 0.3021



92.3948, 0.3165, 0.3565

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.



80.1118, 0.2982, 0.3465



80.1118, 0.3085, 0.3021



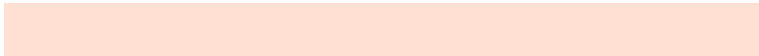
80.1118, 0.3335, 0.3609

Square

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



80.1118, 0.3085, 0.3021



80.1118, 0.3485, 0.3424



80.1118, 0.3161, 0.3580



80.1118, 0.2782, 0.3140

Rectangle

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



80.1118, 0.3085, 0.3021



80.1118, 0.3374, 0.3218



80.1118, 0.3161, 0.3580



80.1118, 0.2884, 0.3358

Sweetspot

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



80.1152, 0.3085, 0.3021



94.7883, 0.3116, 0.3217



81.3751, 0.2959, 0.3095



19.9976, 0.3113, 0.3197



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.



80.1152, 0.3085, 0.3021



78.8268, 0.3075, 0.2961



81.2415, 0.3175, 0.3077



17.2512, 0.3090, 0.3053



8.6289, 0.2470, 0.1134



0.8540, 0.2561, 0.1184

Inverse Universe

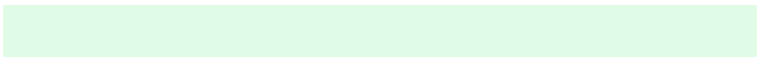
The Inverse Universe completely reimagines the original color for something new.



80.4334, 0.3265, 0.3211



79.2307, 0.3298, 0.3193



91.3769, 0.3083, 0.3512



17.3099, 0.3247, 0.3220



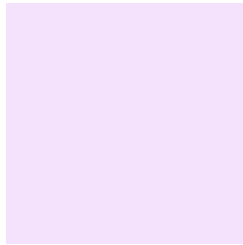
11.0653, 0.5779, 0.2957



1.0426, 0.5443, 0.2772

Previews

White Background



This preview shows how the Yxy color 80.1118, 0.3085, 0.3021 looks on a white background.

Color Contrast Check

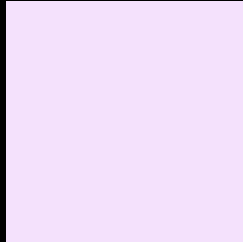
Large Text (above 18pt) WCAG AA × Fail

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 80.1118, 0.3085, 0.3021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

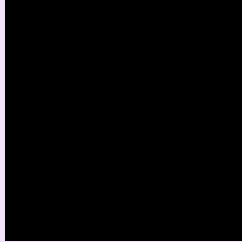
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

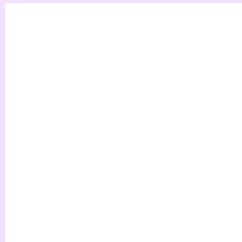
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.1118, 0.3085, 0.3021

Background



This preview shows how black text looks on a background with the Yxy color 80.1118, 0.3085, 0.3021.

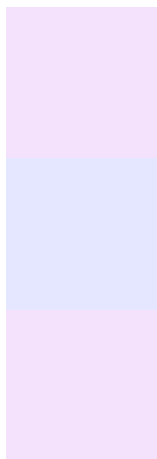


This preview shows how white text looks on a background with the Yxy color 80.1118, 0.3085, 0.3021.

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

80.1118, 0.3085, 0.3021

Protanopia

80.4716, 0.2967, 0.3035

Deuteranopia

80.1118, 0.3085, 0.3021



Tritanopia

79.9791, 0.3129, 0.3109

Trichromacy



Original Color

80.1118, 0.3085, 0.3021

Protanomaly

80.1350, 0.3005, 0.3027

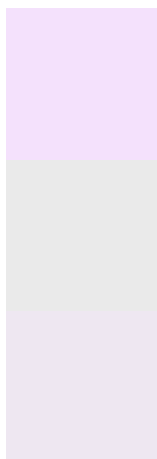
Deuteranomaly

80.1118, 0.3085, 0.3021

Tritanomaly

80.1628, 0.3110, 0.3079

Monochromacy



Original Color

80.1118, 0.3085, 0.3021

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

81.6798, 0.3112, 0.3188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1118, 0.3085, 0.3021 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(244, 225, 252)` looks like.

```
.text, #text, p{  
    color:rgb(244, 225, 252)  
}
```

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(244, 225, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 225, 252) }
```

Border

The CSS property to change the border of an element to Yxy 80.1118, 0.3085, 0.3021 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(244, 225, 252) }
```

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

```
.border{ border-color:rgb(244, 225, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 225, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 225, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 225, 252);  
box-shadow:4px 4px 4px 4px rgb(244, 225,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1118, 0.3085, 0.3021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 225, 252) }
```

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

```
.background{ background-color: rgb(244,  
225, 252) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor