

Converting Colors

Yxy(80.8584, 0.3053, 0.3123)

Have a look what the booklet for
Yxy(80.8584, 0.3053, 0.3123)
contains.

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Color

Yxy(80.7399, 0.3054, 0.3127)

Conversions

Conversions Part 1

Format	Color
Hex	EAE6F6
RGB	234, 230, 246
RGB Percent	92%, 90%, 96%
CMY	0.0825, 0.0980, 0.0353
CMYK	0.05, 0.06, 0.00, 0.04
HSL	255°, 47%, 93%
HSV	255°, 6%, 96%
XYZ	78.8550, 80.7399, 98.6075
YIQ	233.0200, -2.7520, 5.8240

Conversions

Conversions Part 2

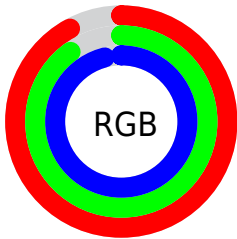
Format	Color
R _Y B	234, 230, 246
Decimal	15394550
CIE Lab	92.02, 4.24, -7.27
CIE LCh	92, 8.411, 300.249
Yxy	80.7399, 0.3054, 0.3127
Android (android.graphics.Color)	4293584630 (0xFFEAE6F6)
YUV	233.0200, 6.3991, 0.8595
Hunter-Lab	89.8554, -0.5994, -2.1662

Details

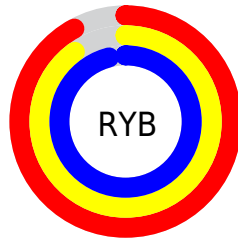
The Yxy color $80.7399, 0.3054, 0.3127$ is a light color, and the websafe version is hex FFFFFFF. A complement of this color would be $90.5018, 0.3197, 0.3450$, and the grayscale version is $81.4531, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.8426, 0.3033, 0.3093$ is the 20% darker color. If you saturate the color by 10%, you get $65.0340, 0.2927, 0.2853$, and if you desaturate by 10%, it is $98.7116, 0.3164, 0.3373$.

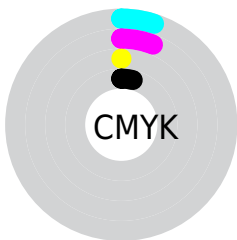
Distribution



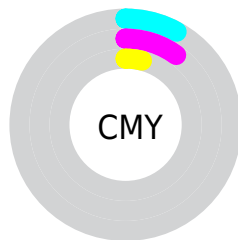
- Red (92%)
- Green (90%)
- Blue (96%)



- Red (92%)
- Yellow (90%)
- Blue (96%)



- Cyan (5%)
- Magenta (6%)
- Yellow (0%)
- Black (4%)



- Cyan (8%)
- Magenta (10%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.7399, 0.3054, 0.3127 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 80.7399, 0.3054, 0.3127 by changing the saturation by 10% instead.

80.7399, 0.3054,
0.3127

80.7399, 0.3054,
0.3127

497.4229, 0.3087,
0.3200

60.3274, 0.3046,
0.3111

134.4055, 0.3066,
0.3152

43.6826, 0.3037,
0.3091

168.4274, 0.3070,
0.3162

30.4210, 0.3025,
0.3066

207.7545, 0.3074,
0.3171

20.1584, 0.3010,
0.3034

252.7713, 0.3077,
0.3178

12.5102, 0.2990,
0.2991

303.8622, 0.3080,
0.3185

7.0922, 0.2961,
0.2931

361.4114, 0.3083,

3.5198, 0.2916,

0.3191

0.2842

425.8035, 0.3085,
0.3196

■ 1.4088, 0.2840,
0.2694

■ 0.2232, 0.2447,
0.1730

■ 80.7399, 0.3054,
0.3127

■ 80.7399, 0.3054,
0.3127

■ 65.0340, 0.2927,
0.2853

■ 98.7116, 0.3164,
0.3373

■ 51.4931, 0.2782,
0.2552

■ 99.4332, 0.3179,
0.3376

■ 40.0241, 0.2620,
0.2230

■ 30.5230, 0.2445,
0.1898

■ 22.8766, 0.2262,
0.1570

■ 16.9600, 0.2081,
0.1268

■ 12.6324, 0.1914,
0.1011

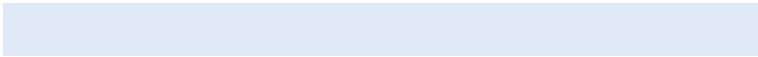
■ 9.7300, 0.1771,
0.0820

■ 8.0501, 0.1661,
0.0701

Harmonies

Analogous

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



80.7399, 0.2977, 0.3131



80.7399, 0.3054, 0.3127



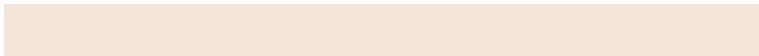
80.7399, 0.3152, 0.3165

Triad

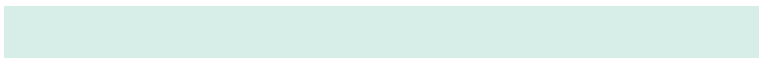
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.7399, 0.3054, 0.3127



80.7399, 0.3318, 0.3399



80.7399, 0.3010, 0.3345

Complementary

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



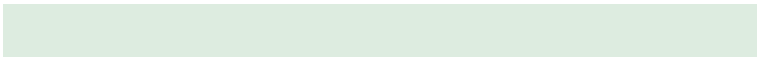
80.7399, 0.3054, 0.3127



90.5018, 0.3197, 0.3450

Split Complementary

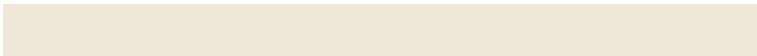
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.7399, 0.3100, 0.3420



80.7399, 0.3054, 0.3127



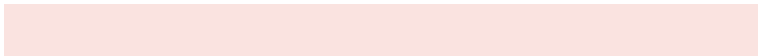
80.7399, 0.3279, 0.3451

Square

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



80.7399, 0.3054, 0.3127



80.7399, 0.3306, 0.3320



80.7399, 0.3199, 0.3459



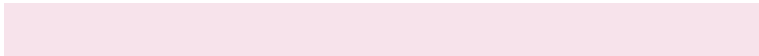
80.7399, 0.2952, 0.3256

Rectangle

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



80.7399, 0.3054, 0.3127



80.7399, 0.3216, 0.3209



80.7399, 0.3199, 0.3459



80.7399, 0.3038, 0.3373

Sweetspot

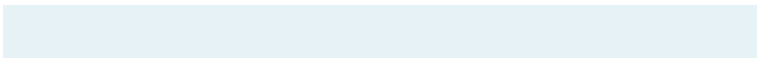
The Sweet Spot groups the original color and five complimentary colors.



80.7433, 0.3054, 0.3127



96.0688, 0.3105, 0.3241



87.1392, 0.3027, 0.3252



20.6039, 0.3106, 0.3243



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.



80.7433, 0.3054, 0.3127



84.8731, 0.3036, 0.3087



82.0846, 0.3106, 0.3130



16.1251, 0.3018, 0.3048



4.1357, 0.1642, 0.0678



0.4099, 0.1764, 0.0745

Inverse Universe

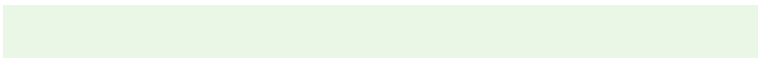
The Inverse Universe completely reimagines the original color for something new.



82.6056, 0.3160, 0.3170



87.3464, 0.3168, 0.3142



89.1583, 0.3147, 0.3453



16.6940, 0.3176, 0.3114



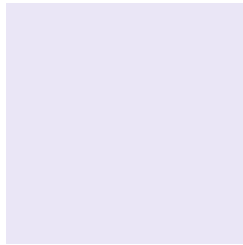
12.3516, 0.3956, 0.1953



1.1018, 0.3842, 0.1890

Previews

White Background



This preview shows how the Yxy color 80.7399, 0.3054, 0.3127 looks on a white background.

Color Contrast Check

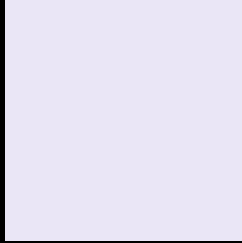
Large Text (above 18pt) WCAG AA × Fail

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 80.7399, 0.3054, 0.3127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

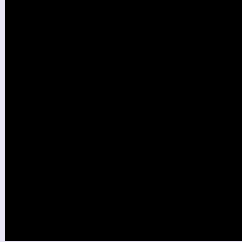
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

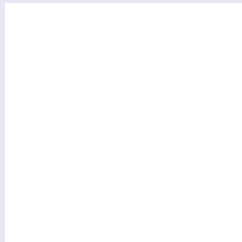
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.7399, 0.3054, 0.3127

Background



This preview shows how black text looks on a background with the Yxy color 80.7399, 0.3054, 0.3127.

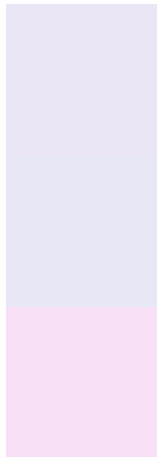


This preview shows how white text looks on a background with the Yxy color 80.7399, 0.3054, 0.3127.

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

80.7399, 0.3054, 0.3127

Protanopia

80.9615, 0.3041, 0.3136

Deuteranopia

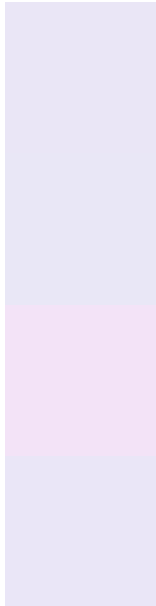
80.5223, 0.3144, 0.3072



Tritanopia

80.8634, 0.3042, 0.3107

Trichromacy



Original Color

80.7399, 0.3054, 0.3127

Protanomaly

81.1293, 0.3047, 0.3137

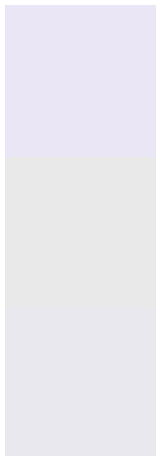
Deuteranomaly

80.7083, 0.3109, 0.3090

Tritanomaly

80.8015, 0.3048, 0.3117

Monochromacy



Original Color

80.7399, 0.3054, 0.3127

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.2099, 0.3096, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7399, 0.3054, 0.3127 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(234, 230, 246)` looks like.

```
.text, #text, p{  
    color:rgb(234, 230, 246)  
}
```

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(234, 230, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 230, 246) }
```

Border

The CSS property to change the border of an element to Yxy 80.7399, 0.3054, 0.3127 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(234, 230, 246) }
```

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

```
.border{ border-color:rgb(234, 230, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 230, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 230, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 230, 246);  
box-shadow:4px 4px 4px 4px rgb(234, 230,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7399, 0.3054, 0.3127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 230, 246) }
```

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

```
.background{ background-color: rgb(234,  
230, 246) }
```

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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