

Converting Colors

Yxy(82.9670, 0.3043, 0.3099)

Have a look what the booklet for
Yxy(82.9670, 0.3043, 0.3099)
contains.

Yxy(82.6828, 0.3043, 0.3099)	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(82.6828, 0.3043, 0.3099)

Conversions

Conversions Part 1

Format	Color
Hex	EDE8FB
RGB	237, 232, 251
RGB Percent	93%, 91%, 98%
CMY	0.0706, 0.0902, 0.0157
CMYK	0.06, 0.08, 0.00, 0.02
HSL	256°, 70%, 95%
HSV	256°, 8%, 98%
XYZ	81.1887, 82.6828, 102.9333
YIQ	235.6610, -3.1190, 6.9690

Conversions

Conversions Part 2

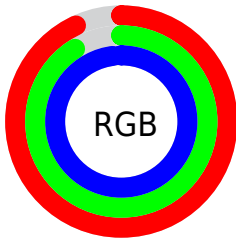
Format	Color
R _Y B	237, 232, 251
Decimal	15591675
CIE Lab	92.88, 5.12, -8.57
CIE LCh	93, 9.986, 300.856
Yxy	82.6828, 0.3043, 0.3099
Android (android.graphics.Color)	4293781755 (0xFFE8FB)
YUV	235.6610, 7.5621, 1.1743
Hunter-Lab	90.9301, 0.2496, -3.4655

Details

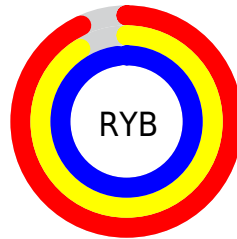
The Yxy color **82.6828, 0.3043, 0.3099** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **94.4061, 0.3207, 0.3478**, and the grayscale version is **83.5514, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.7695, 0.3027, 0.3057** is the 20% darker color. If you saturate the color by 10%, you get **66.5260, 0.2916, 0.2822**, and if you desaturate by 10%, it is **99.7441, 0.3150, 0.3328**.

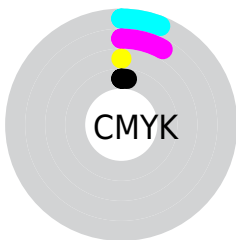
Distribution



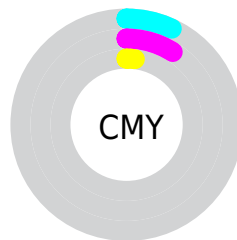
- Red (93%)
- Green (91%)
- Blue (98%)



- Red (93%)
- Yellow (91%)
- Blue (98%)



- Cyan (6%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)





- Cyan (7%)
- Magenta (9%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.6828, 0.3043, 0.3099 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 82.6828, 0.3043, 0.3099 by changing the saturation by 10% instead.

 82.6828, 0.3043,
0.3099

 82.6828, 0.3043,
0.3099

503.9288, 0.3081,
0.3185

 61.9285, 0.3034,
0.3080

137.1311, 0.3056,
0.3128

 44.9749, 0.3024,
0.3057


171.5939, 0.3061,
0.3140

 31.4377, 0.3010,
0.3028


211.3950, 0.3066,
0.3150

 20.9324, 0.2993,
0.2992

256.9188, 0.3070,
0.3158

 13.0746, 0.2970,
0.2943

308.5497, 0.3073,
0.3166

 7.4799, 0.2937,
0.2876

366.6720, 0.3076,

 3.7640, 0.2888,

0.3173

0.2776

431.6703, 0.3079,
0.3179

■ 1.5424, 0.2803,
0.2613

■ 0.3183, 0.2527,
0.1882

■ 82.6828, 0.3043,
0.3099

■ 82.6828, 0.3043,
0.3099

■ 66.5260, 0.2916,
0.2822

99.7441, 0.3150,
0.3328

■ 52.6175, 0.2772,
0.2519

■ 40.8592, 0.2612,
0.2197

■ 31.1417, 0.2438,
0.1865

■ 23.3457, 0.2257,
0.1541

■ 17.3392, 0.2079,
0.1244

■ 12.9731, 0.1914,
0.0995

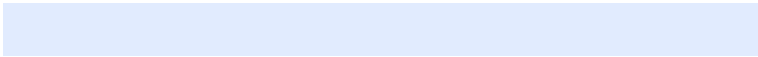
■ 10.0728, 0.1773,
0.0812

■ 8.4121, 0.1665,
0.0699

Harmonies

Analogous

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



82.6828, 0.2952, 0.3102



82.6828, 0.3043, 0.3099



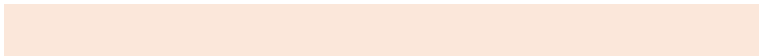
82.6828, 0.3159, 0.3145

Triad

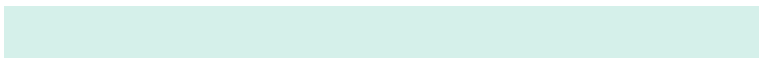
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.6828, 0.3043, 0.3099



82.6828, 0.3352, 0.3420



82.6828, 0.2988, 0.3353

Complementary

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



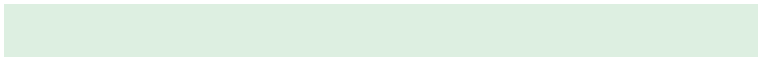
82.6828, 0.3043, 0.3099



94.4061, 0.3207, 0.3478

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.



82.6828, 0.3093, 0.3443



82.6828, 0.3043, 0.3099



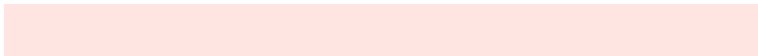
82.6828, 0.3304, 0.3480

Square

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



82.6828, 0.3043, 0.3099



82.6828, 0.3339, 0.3327



82.6828, 0.3209, 0.3489



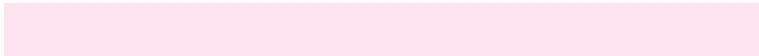
82.6828, 0.2920, 0.3247

Rectangle

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



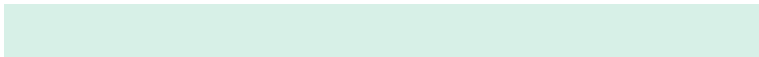
82.6828, 0.3043, 0.3099



82.6828, 0.3234, 0.3197



82.6828, 0.3209, 0.3489



82.6828, 0.3020, 0.3386

Sweetspot

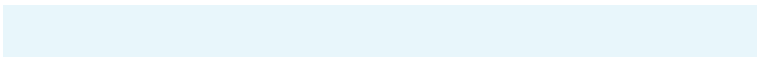
The Sweet Spot groups the original color and five complimentary colors.



82.6863, 0.3043, 0.3099



96.0825, 0.3106, 0.3241



90.1804, 0.3010, 0.3242



20.6066, 0.3107, 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.



82.6863, 0.3043, 0.3099



83.1505, 0.3026, 0.3061



84.3204, 0.3104, 0.3103



16.8631, 0.3020, 0.3048



4.3264, 0.1657, 0.0686



0.4497, 0.1775, 0.0751

Inverse Universe

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



84.8806, 0.3167, 0.3153



85.8397, 0.3175, 0.3126



92.7741, 0.3148, 0.3481



17.4423, 0.3178, 0.3117



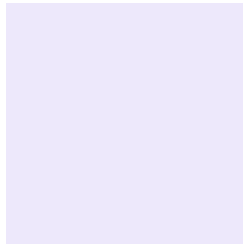
12.6507, 0.4008, 0.1982



1.1891, 0.3891, 0.1917

Previews

White Background



This preview shows how the Yxy color 82.6828, 0.3043, 0.3099 looks on a white background.

Color Contrast Check

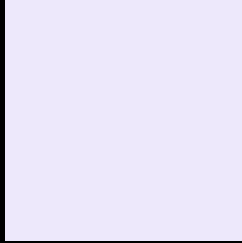
Large Text (above 18pt) WCAG AA × Fail

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 82.6828, 0.3043, 0.3099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

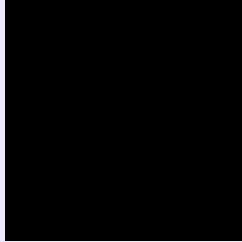
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

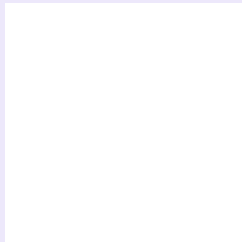
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.6828, 0.3043, 0.3099

Background



This preview shows how black text looks on a background with the Yxy color 82.6828, 0.3043, 0.3099.



This preview shows how white text looks on a background with the Yxy color 82.6828, 0.3043, 0.3099.

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

82.6828, 0.3043, 0.3099

Protanopia

82.7985, 0.3017, 0.3098

Deuteranopia

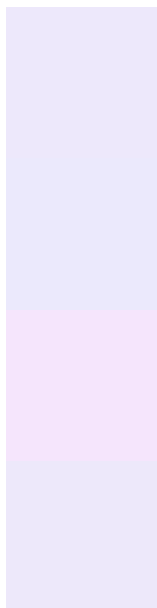
82.6548, 0.3118, 0.3054



Tritanopia

82.6199, 0.3049, 0.3109

Trichromacy



Original Color

82.6828, 0.3043, 0.3099

Protanomaly

82.9683, 0.3024, 0.3098

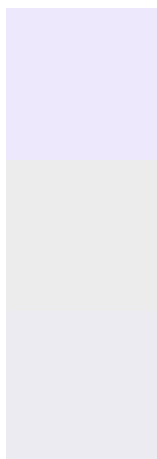
Deuteranomaly

82.4794, 0.3091, 0.3062

Tritanomaly

82.6199, 0.3049, 0.3109

Monochromacy



Original Color

82.6828, 0.3043, 0.3099

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.6004, 0.3097, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.6828, 0.3043, 0.3099 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(237, 232, 251)` looks like.

```
.text, #text, p{  
    color:rgb(237, 232, 251)  
}
```

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(237, 232, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 232, 251) }
```

Border

The CSS property to change the border of an element to Yxy 82.6828, 0.3043, 0.3099 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(237, 232, 251) }
```

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

```
.border{ border-color:rgb(237, 232, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 232, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 232, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 232, 251);  
box-shadow:4px 4px 4px 4px rgb(237, 232,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 82.6828, 0.3043, 0.3099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 232, 251) }
```

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

```
.background{ background-color: rgb(237,  
232, 251) }
```

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