

Converting Colors

Yxy(82.9128, 0.3077, 0.3096)

Have a look what the booklet for
Yxy(82.9128, 0.3077, 0.3096)
contains.

Yxy(82.9312, 0.3082, 0.3100)	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(82.9312, 0.3082, 0.3100)

Conversions

Conversions Part 1

Format	Color
Hex	F2E7FA
RGB	242, 231, 250
RGB Percent	95%, 91%, 98%
CMY	0.0510, 0.0941, 0.0194
CMYK	0.03, 0.08, 0.00, 0.02
HSL	275°, 66%, 94%
HSV	275°, 8%, 98%
XYZ	82.4497, 82.9312, 102.1391
YIQ	236.4550, 0.4570, 8.2410

Conversions

Conversions Part 2

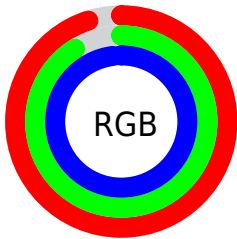
Format	Color
R _Y B	242, 231, 250
Decimal	15919098
CIE Lab	92.98, 7.10, -7.88
CIE LCh	93, 10.603, 312.007
Yxy	82.9312, 0.3082, 0.3100
Android (android.graphics.Color)	4294109178 (0xFF F2 E7 FA)
YUV	236.4550, 6.6777, 4.8630
Hunter-Lab	91.0666, 2.2435, -2.7523

Details

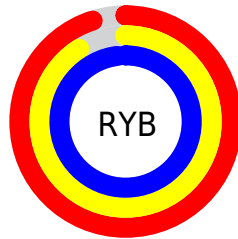
The Yxy color **82.9312, 0.3082, 0.3100** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **92.5310, 0.3169, 0.3481**, and the grayscale version is **84.1973, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.9941, 0.3069, 0.3047** is the 20% darker color. If you saturate the color by 10%, you get **68.1034, 0.3013, 0.2834**, and if you desaturate by 10%, it is **99.2271, 0.3141, 0.3337**.

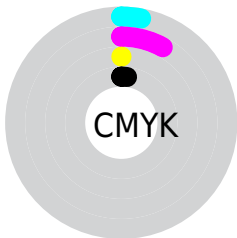
Distribution



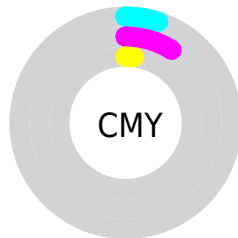
- Red (95%)
- Green (91%)
- Blue (98%)



- Red (95%)
- Yellow (91%)
- Blue (98%)



- Cyan (3%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)




- Cyan (5%)
- Magenta (9%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.9312, 0.3082, 0.3100 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 82.9312, 0.3082, 0.3100 by changing the saturation by 10% instead.


 82.9312, 0.3082,
0.3100

 82.9312, 0.3082,
0.3100


504.7572, 0.3103,
0.3185

 62.1334, 0.3077,
0.3081


137.4791, 0.3089,
0.3129

 45.1405, 0.3071,
0.3059

171.9980, 0.3092,
0.3140

 31.5681, 0.3064,
0.3030


211.8593, 0.3094,
0.3150

 21.0318, 0.3054,
0.2994

257.4476, 0.3097,
0.3159

 13.1473, 0.3041,
0.2946

309.1471, 0.3098,
0.3166

 7.5300, 0.3023,
0.2880

367.3423, 0.3100,

 3.7957, 0.2994,

0.3173

0.2782

432.4175, 0.3102,
0.3179

■ 1.5600, 0.2944,
0.2624

■ 0.3304, 0.2819,
0.1912

■ 82.9312, 0.3082,
0.3100

■ 82.9312, 0.3082,
0.3100

■ 68.1034, 0.3013,
0.2834

■ 99.2271, 0.3141,
0.3337

■ 55.2937, 0.2933,
0.2552

■ 99.6849, 0.3156,
0.3337

■ 44.4135, 0.2842,
0.2262

■ 35.3632, 0.2740,
0.1974

■ 28.0341, 0.2630,
0.1699

■ 22.3057, 0.2515,
0.1451

■ 18.0411, 0.2400,
0.1245

■ 15.0795, 0.2289,
0.1089

■ 13.2089, 0.2187,
0.0986

Harmonies

Analogous

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



82.9312, 0.2972, 0.3083



82.9312, 0.3082, 0.3100



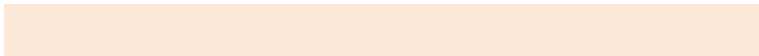
82.9312, 0.3206, 0.3165

Triad

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



82.9312, 0.3082, 0.3100



82.9312, 0.3354, 0.3456



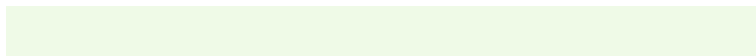
82.9312, 0.2947, 0.3315

Complementary

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



82.9312, 0.3082, 0.3100



92.5310, 0.3169, 0.3481

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.



82.9312, 0.3046, 0.3421



82.9312, 0.3082, 0.3100



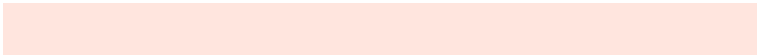
82.9312, 0.3282, 0.3502

Square

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



82.9312, 0.3082, 0.3100



82.9312, 0.3365, 0.3368



82.9312, 0.3169, 0.3490



82.9312, 0.2895, 0.3205

Rectangle

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



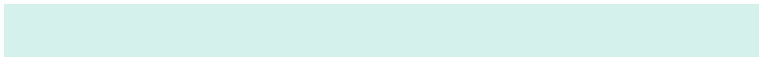
82.9312, 0.3082, 0.3100



82.9312, 0.3280, 0.3227



82.9312, 0.3169, 0.3490



82.9312, 0.2976, 0.3352

Sweetspot

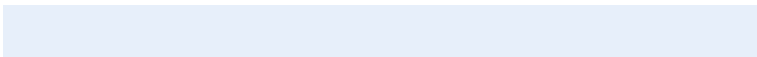
The Sweet Spot groups the original color and five complimentary colors.



82.9347, 0.3082, 0.3100



96.3818, 0.3116, 0.3241



85.7781, 0.3009, 0.3181



20.6676, 0.3116, 0.3244



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.



82.9347, 0.3082, 0.3100



84.4246, 0.3073, 0.3064



84.3133, 0.3144, 0.3116



17.1371, 0.3070, 0.3051



6.8994, 0.2179, 0.0974



0.7014, 0.2298, 0.1039

Inverse Universe

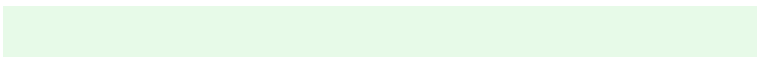
The Inverse Universe completely reimagines the original color for something new.



83.7238, 0.3206, 0.3210



85.3983, 0.3222, 0.3195



91.2305, 0.3111, 0.3471



17.3472, 0.3227, 0.3190



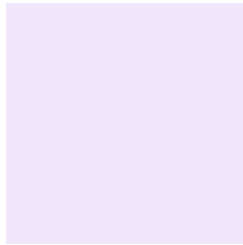
11.3583, 0.5285, 0.2685



1.0727, 0.4979, 0.2517

Previews

White Background



This preview shows how the Yxy color 82.9312, 0.3082, 0.3100 looks on a white background.

Color Contrast Check

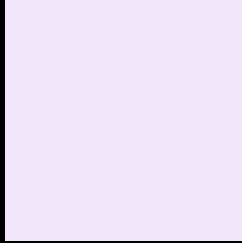
Large Text (above 18pt) WCAG AA × Fail

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 82.9312, 0.3082, 0.3100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

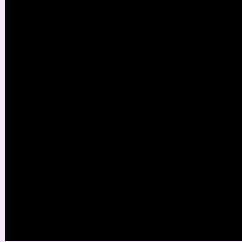
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

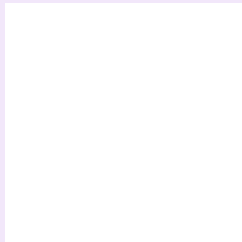
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.9312, 0.3082, 0.3100

Background



This preview shows how black text looks on a background with the Yxy color 82.9312, 0.3082, 0.3100.



This preview shows how white text looks on a background with the Yxy color 82.9312, 0.3082, 0.3100.

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

82.9312, 0.3082, 0.3100

Protanopia

82.7353, 0.3023, 0.3108

Deuteranopia

82.7758, 0.3131, 0.3064



Tritanopia

82.8686, 0.3089, 0.3110

Trichromacy



Original Color

82.9312, 0.3082, 0.3100

Protanomaly

82.6828, 0.3043, 0.3099

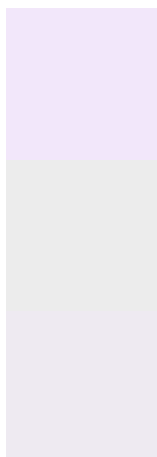
Deuteranomaly

82.7778, 0.3110, 0.3073

Tritanomaly

82.8686, 0.3089, 0.3110

Monochromacy



Original Color

82.9312, 0.3082, 0.3100

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.3737, 0.3110, 0.3219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9312, 0.3082, 0.3100 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(242, 231, 250)` looks like.

```
.text, #text, p{  
    color:rgb(242, 231, 250)  
}
```

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(242, 231, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 231, 250) }
```

Border

The CSS property to change the border of an element to Yxy 82.9312, 0.3082, 0.3100 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(242, 231, 250) }
```

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

```
.border{ border-color:rgb(242, 231, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 231, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 231, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 231, 250);  
box-shadow:4px 4px 4px 4px rgb(242, 231,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 82.9312, 0.3082, 0.3100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 231, 250) }
```

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

```
.background{ background-color: rgb(242,  
231, 250) }
```

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