

Converting Colors

$Y_{xy}(85.0162, 0.3036, 0.3062)$

Have a look what the booklet for
Yxy(85.0162, 0.3036, 0.3062)
contains.

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Color

Yxy(84.9429, 0.3051, 0.3082)

Conversions

Conversions Part 1

Format	Color
Hex	F2EAFF
RGB	242, 234, 255
RGB Percent	95%, 92%, 100%
CMY	0.0510, 0.0823, 0.0000
CMYK	0.05, 0.08, 0.00, 0.00
HSL	263°, 100%, 96%
HSV	263°, 8%, 100%
XYZ	84.0885, 84.9429, 106.5783
YIQ	238.7860, -1.9730, 8.2270

Conversions

Conversions Part 2

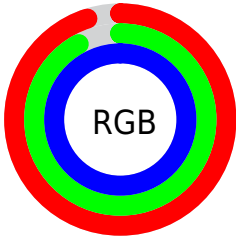
Format	Color
R _Y B	242, 234, 255
Decimal	15919871
CIE Lab	93.86, 6.47, -9.17
CIE LCh	94, 11.219, 305.197
Yxy	84.9429, 0.3051, 0.3082
Android (android.graphics.Color)	4294109951 (0xFF F2EA FF)
YUV	238.7860, 7.9935, 2.8187
Hunter-Lab	92.1645, 1.5710, -4.0474

Details

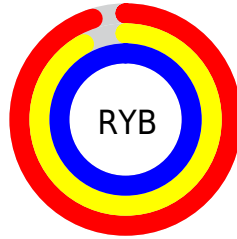
The Yxy color **84.9429, 0.3051, 0.3082** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **97.2388, 0.3199, 0.3496**, and the grayscale version is **86.0800, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3571, 0.3037, 0.3037** is the 20% darker color. If you saturate the color by 10%, you get **68.7786, 0.2945, 0.2807**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

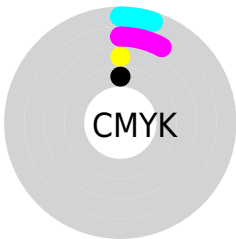
Distribution



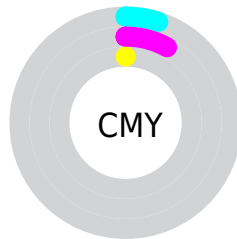
- Red (95%)
- Green (92%)
- Blue (100%)



- Red (95%)
- Yellow (92%)
- Blue (100%)



- Cyan (5%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)




- Cyan (5%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.9429, 0.3051, 0.3082 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 84.9429, 0.3051, 0.3082 by changing the saturation by 10% instead.


 84.9429, 0.3051,
0.3082

 84.9429, 0.3051,
0.3082

511.4391, 0.3086,
0.3175

 63.7942, 0.3043,
0.3062


140.2934, 0.3063,
0.3113

 46.4840, 0.3034,
0.3037

175.2640, 0.3068,
0.3126

 32.6279, 0.3022,
0.3006

215.6107, 0.3072,
0.3137

 21.8416, 0.3006,
0.2967

261.7178, 0.3075,
0.3146

 13.7405, 0.2985,
0.2916

313.9698, 0.3078,
0.3154

 7.9404, 0.2956,
0.2845

372.7511, 0.3081,

 4.0569, 0.2912,

0.3162

0.2742

438.4461, 0.3084,
0.3168

■ 1.7054, 0.2837,
0.2576

■ 0.4272, 0.2680,
0.2030

■ 84.9429, 0.3051,
0.3082

■ 84.9429, 0.3051,
0.3082

■ 68.7786, 0.2945,
0.2807

100.0000, 0.3127,
0.3290

■ 54.8477, 0.2823,
0.2511

■ 43.0516, 0.2686,
0.2199

■ 33.2807, 0.2536,
0.1883

■ 25.4156, 0.2378,
0.1576

■ 19.3235, 0.2219,
0.1297

■ 14.8541, 0.2066,
0.1064

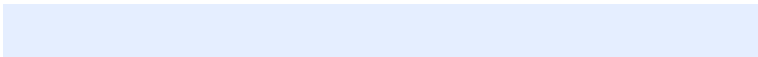
■ 11.8307, 0.1929,
0.0889

■ 10.0122, 0.1813,
0.0778

Harmonies

Analogous

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



84.9429, 0.2944, 0.3077



84.9429, 0.3051, 0.3082



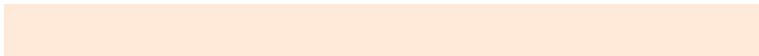
84.9429, 0.3181, 0.3140

Triad

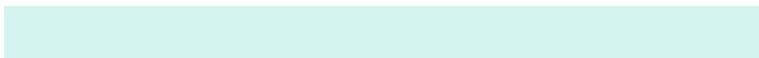
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.9429, 0.3051, 0.3082



84.9429, 0.3374, 0.3446



84.9429, 0.2958, 0.3343

Complementary

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



84.9429, 0.3051, 0.3082



97.2388, 0.3199, 0.3496

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.



84.9429, 0.3070, 0.3448



84.9429, 0.3051, 0.3082



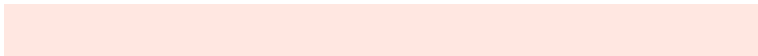
84.9429, 0.3312, 0.3507

Square

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



84.9429, 0.3051, 0.3082



84.9429, 0.3370, 0.3347



84.9429, 0.3200, 0.3508



84.9429, 0.2891, 0.3225

Rectangle

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



84.9429, 0.3051, 0.3082



84.9429, 0.3263, 0.3201



84.9429, 0.3200, 0.3508



84.9429, 0.2992, 0.3381

Sweetspot

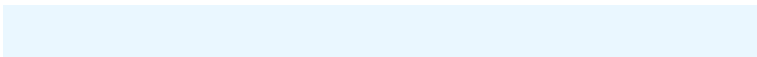
The Sweet Spot groups the original color and five complimentary colors.



84.9459, 0.3051, 0.3082



96.1945, 0.3110, 0.3241



91.4210, 0.2999, 0.3213



20.6294, 0.3110, 0.3244



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

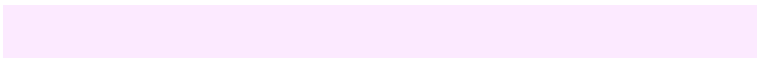
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.9459, 0.3051, 0.3082



81.9203, 0.3033, 0.3035



86.8036, 0.3118, 0.3086



17.7142, 0.3038, 0.3048



5.1776, 0.1811, 0.0771



0.5644, 0.1936, 0.0840

Inverse Universe

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



86.8272, 0.3187, 0.3164



84.1870, 0.3201, 0.3136



95.4324, 0.3135, 0.3500



18.1764, 0.3197, 0.3144



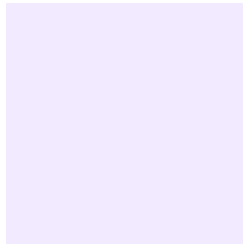
12.4298, 0.4463, 0.2232



1.2315, 0.4281, 0.2132

Previews

White Background



This preview shows how the Yxy color 84.9429, 0.3051, 0.3082 looks on a white background.

Color Contrast Check

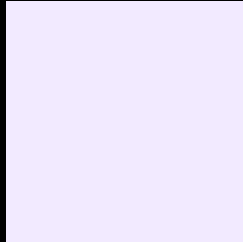
Large Text (above 18pt) WCAG AA × Fail

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 84.9429, 0.3051, 0.3082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

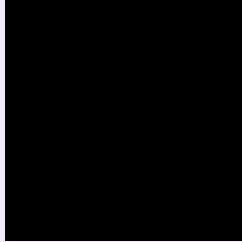
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.9429, 0.3051, 0.3082

Background



This preview shows how black text looks on a background with the Yxy color 84.9429, 0.3051, 0.3082.

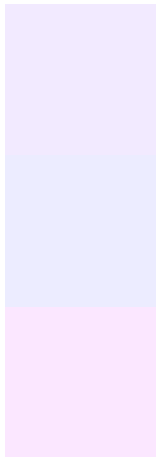


This preview shows how white text looks on a background with the Yxy color 84.9429, 0.3051, 0.3082.

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

84.9429, 0.3051, 0.3082

Protanopia

85.0438, 0.3012, 0.3100

Deuteranopia

84.8811, 0.3111, 0.3056



Tritanopia

84.8147, 0.3063, 0.3101

Trichromacy



Original Color

84.9429, 0.3051, 0.3082

Protanomaly

84.8138, 0.3025, 0.3090

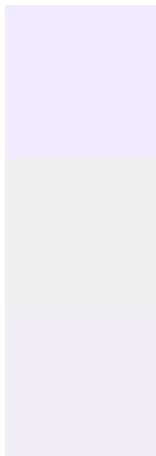
Deuteranomaly

84.8897, 0.3091, 0.3065

Tritanomaly

84.8786, 0.3057, 0.3092

Monochromacy



Original Color

84.9429, 0.3051, 0.3082

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

85.6862, 0.3098, 0.3210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.9429, 0.3051, 0.3082 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, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 234, 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(242, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 234, 255) }
```

Border

The CSS property to change the border of an element to Yxy 84.9429, 0.3051, 0.3082 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, 234, 255) }
```

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

```
.border{ border-color:rgb(242, 234, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 234,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 84.9429, 0.3051, 0.3082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 234, 255) }
```

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

```
.background{ background-color: rgb(242,  
234, 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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