

Converting Colors

$Y_{xy}(85.8931, 0.3085, 0.3085)$

Have a look what the booklet for
Yxy(85.8931, 0.3085, 0.3085)
contains.

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Color

Yxy(85.8398, 0.3084, 0.3084)

Conversions

Conversions Part 1

Format	Color
Hex	F7EAFF
RGB	247, 234, 255
RGB Percent	97%, 92%, 100%
CMY	0.0312, 0.0824, 0.0000
CMYK	0.03, 0.08, 0.00, 0.00
HSL	277°, 100%, 96%
HSV	277°, 8%, 100%
XYZ	85.8398, 85.8398, 106.6596
YIQ	240.2810, 1.0070, 9.2870

Conversions

Conversions Part 2

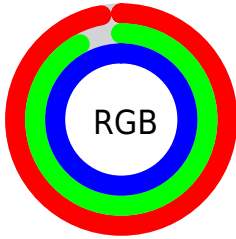
Format	Color
R_{YB}	247, 234, 255
Decimal	16247551
CIE _{Lab}	94.24, 8.11, -8.55
CIE _{LCh}	94, 11.791, 313.492
Yxy	85.8398, 0.3084, 0.3084
Android (android.graphics.Color)	4294437631 (0xFF7EAFF)
YUV	240.2810, 7.2565, 5.8926
Hunter-Lab	92.6498, 3.2427, -3.4005

Details

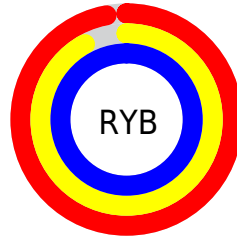
The Yxy color 85.8398, 0.3084, 0.3084 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96.3308, 0.3167, 0.3498, and the grayscale version is 87.3153, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 46.9944, 0.3079, 0.3040 is the 20% darker color. If you saturate the color by 10%, you get 70.6401, 0.3023, 0.2818, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

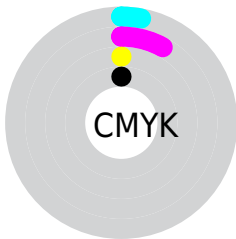
Distribution



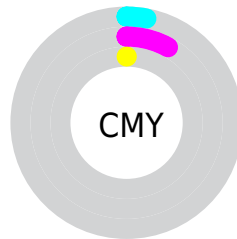
- Red (97%)
- Green (92%)
- Blue (100%)



- Red (97%)
- Yellow (92%)
- Blue (100%)



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.8398, 0.3084, 0.3084 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 85.8398, 0.3084, 0.3084 by changing the saturation by 10% instead.

 85.8398, 0.3084,
0.3084

 85.8398, 0.3084,
0.3084


514.4028, 0.3104,
0.3175

 64.5355, 0.3079,
0.3064


141.5459, 0.3091,
0.3115

 47.0845, 0.3074,
0.3040

176.7165, 0.3094,
0.3127

 33.1025, 0.3067,
0.3010


217.2780, 0.3096,
0.3138

 22.2050, 0.3058,
0.2972

263.6148, 0.3098,
0.3147

 14.0076, 0.3045,
0.2921

316.1113, 0.3100,
0.3155

 8.1259, 0.3028,
0.2853

375.1519, 0.3101,

 4.1756, 0.3000,

0.3163

0.2752

441.1209, 0.3103,
0.3169

■ 1.7723, 0.2954,
0.2593

■ 0.4698, 0.2889,
0.2105

■ 85.8398, 0.3084,
0.3084

■ 85.8398, 0.3084,
0.3084

■ 70.6401, 0.3023,
0.2818

100.0000, 0.3127,
0.3290

■ 57.5279, 0.2951,
0.2539

■ 46.4096, 0.2870,
0.2253

■ 37.1809, 0.2779,
0.1971

■ 29.7276, 0.2680,
0.1705

■ 23.9228, 0.2577,
0.1468

■ 19.6224, 0.2473,
0.1273

■ 16.6559, 0.2372,
0.1128

■ 14.7894, 0.2277,
0.1033

Harmonies

Analogous

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



85.8398, 0.2962, 0.3063



85.8398, 0.3084, 0.3084



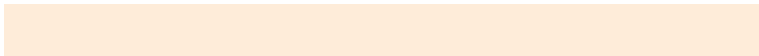
85.8398, 0.3220, 0.3157

Triad

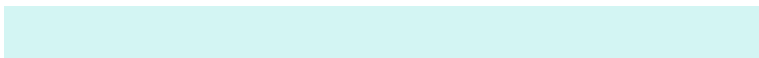
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.8398, 0.3084, 0.3084



85.8398, 0.3375, 0.3476



85.8398, 0.2925, 0.3311

Complementary

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



85.8398, 0.3084, 0.3084



96.3308, 0.3167, 0.3498

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.



85.8398, 0.3032, 0.3429



85.8398, 0.3084, 0.3084



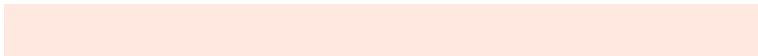
85.8398, 0.3292, 0.3524

Square

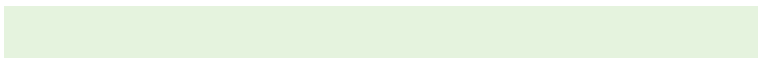
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



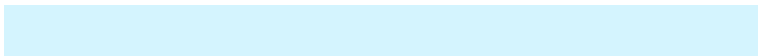
85.8398, 0.3084, 0.3084



85.8398, 0.3390, 0.3381



85.8398, 0.3166, 0.3508



85.8398, 0.2872, 0.3190

Rectangle

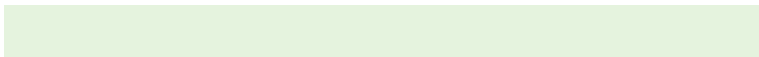
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.8398, 0.3084, 0.3084



85.8398, 0.3300, 0.3226



85.8398, 0.3166, 0.3508



85.8398, 0.2956, 0.3353

Sweetspot

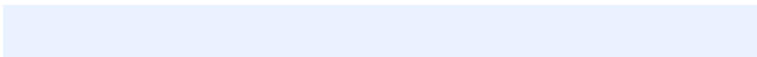
The Sweet Spot groups the original color and five complimentary colors.



85.8428, 0.3084, 0.3084



96.4240, 0.3117, 0.3241



88.2437, 0.2999, 0.3160



20.6762, 0.3118, 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.



85.8428, 0.3084, 0.3084



83.0072, 0.3074, 0.3038



87.1659, 0.3152, 0.3111



17.9361, 0.3077, 0.3051



7.6739, 0.2276, 0.1027



0.8099, 0.2381, 0.1085

Inverse Universe

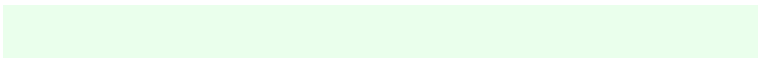
The Inverse Universe completely reimagines the original color for something new.



86.5112, 0.3219, 0.3212



83.8179, 0.3241, 0.3195



95.0936, 0.3103, 0.3476



18.1011, 0.3234, 0.3200



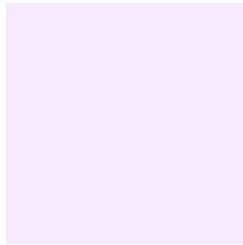
11.5838, 0.5468, 0.2786



1.1483, 0.5160, 0.2616

Previews

White Background



This preview shows how the Yxy color 85.8398, 0.3084, 0.3084 looks on a white background.

Color Contrast Check

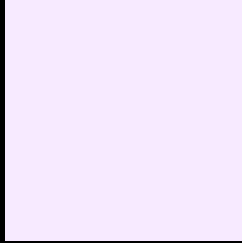
Large Text (above 18pt) WCAG AA × Fail

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 85.8398, 0.3084, 0.3084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

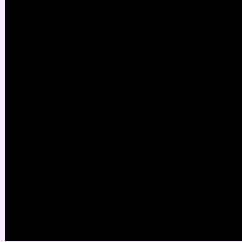
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

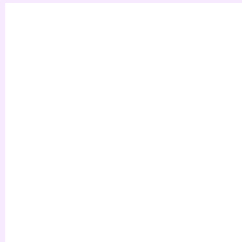
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.8398, 0.3084, 0.3084

Background



This preview shows how black text looks on a background with the Yxy color 85.8398, 0.3084, 0.3084.

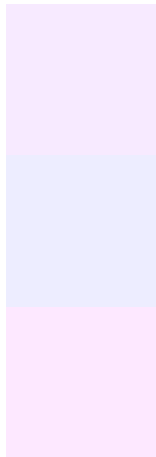


This preview shows how white text looks on a background with the Yxy color 85.8398, 0.3084, 0.3084.

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

85.8398, 0.3084, 0.3084

Protanopia

85.7929, 0.3018, 0.3110

Deuteranopia

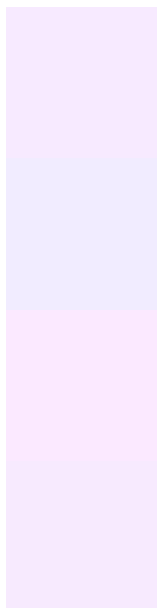
85.8159, 0.3124, 0.3067



Tritanopia

85.7116, 0.3096, 0.3103

Trichromacy



Original Color

85.8398, 0.3084, 0.3084

Protanomaly

85.9117, 0.3044, 0.3102

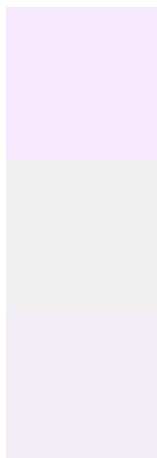
Deuteranomaly

86.0071, 0.3111, 0.3076

Tritanomaly

85.7756, 0.3090, 0.3094

Monochromacy



Original Color

85.8398, 0.3084, 0.3084

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

86.7963, 0.3117, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.8398, 0.3084, 0.3084 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(247, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(247, 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(247, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 234, 255) }
```

Border

The CSS property to change the border of an element to Yxy 85.8398, 0.3084, 0.3084 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(247, 234, 255) }
```

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

```
.border{ border-color:rgb(247, 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(247, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(247, 234,  
255) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 85.8398, 0.3084, 0.3084$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 234, 255) }
```

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

```
.background{ background-color: rgb(247,  
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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