

Converting Colors

$Yxy(85.5357, 0.2942, 0.2917)$

Have a look what the booklet for
Yxy(85.5357, 0.2942, 0.2917)
contains.

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Color

Yxy(84.5909, 0.3038, 0.3081)

Conversions

Conversions Part 1

Format	Color
Hex	F0EAFF
RGB	240, 234, 255
RGB Percent	94%, 92%, 100%
CMY	0.0588, 0.0823, 0.0000
CMYK	0.06, 0.08, 0.00, 0.00
HSL	257°, 100%, 96%
HSV	257°, 8%, 100%
XYZ	83.4103, 84.5909, 106.5554
YIQ	238.1880, -3.1650, 7.8030

Conversions

Conversions Part 2

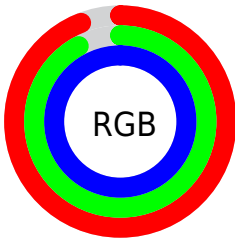
Format	Color
R_{YB}	240, 234, 255
Decimal	15788799
CIE _{Lab}	93.71, 5.83, -9.42
CIE _{LCh}	94, 11.073, 301.754
Yxy	84.5909, 0.3038, 0.3081
Android (android.graphics.Color)	4293978879 (0xFF00E0FF)
YUV	238.1880, 8.2883, 1.5891
Hunter-Lab	91.9733, 0.9278, -4.3090

Details

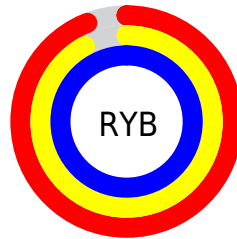
The Yxy color **84.5909, 0.3038, 0.3081** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **97.6009, 0.3212, 0.3495**, and the grayscale version is **85.5909, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.1084, 0.3021, 0.3036** is the 20% darker color. If you saturate the color by 10%, you get **68.0734, 0.2915, 0.2803**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

Distribution



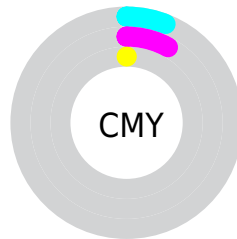
- Red (94%)
- Green (92%)
- Blue (100%)



- Red (94%)
- Yellow (92%)
- Blue (100%)



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.5909, 0.3038, 0.3081 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 84.5909, 0.3038, 0.3081 by changing the saturation by 10% instead.

84.5909, 0.3038,
0.3081

84.5909, 0.3038,
0.3081

510.2734, 0.3079,
0.3174

63.5034, 0.3029,
0.3061

139.8015, 0.3052,
0.3113

46.2486, 0.3018,
0.3036

174.6933, 0.3057,
0.3125

32.4420, 0.3004,
0.3005

214.9554, 0.3062,
0.3136

21.6993, 0.2986,
0.2965

260.9722, 0.3066,
0.3145

13.6362, 0.2962,
0.2914

313.1279, 0.3070,
0.3154

7.8680, 0.2928,
0.2842

371.8071, 0.3073,

4.0106, 0.2876,

0.3161

0.2737

437.3942, 0.3076,
0.3168

■ 1.6795, 0.2790,
0.2569

■ 0.4103, 0.2591,
0.1997

■ 84.5909, 0.3038,
0.3081

■ 84.5909, 0.3038,
0.3081

■ 68.0734, 0.2915,
0.2803

100.0000, 0.3127,
0.3290

■ 53.8651, 0.2774,
0.2500

■ 41.8630, 0.2616,
0.2178

■ 31.9540, 0.2446,
0.1850

■ 24.0144, 0.2270,
0.1529

■ 17.9073, 0.2095,
0.1238

■ 13.4775, 0.1933,
0.0995

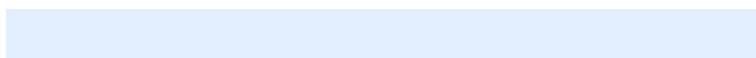
■ 10.5430, 0.1794,
0.0817

■ 8.8567, 0.1685,
0.0708

Harmonies

Analogous

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



84.5909, 0.2936, 0.3083



84.5909, 0.3038, 0.3081



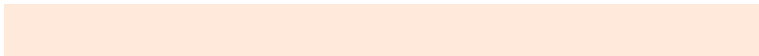
84.5909, 0.3165, 0.3132

Triad

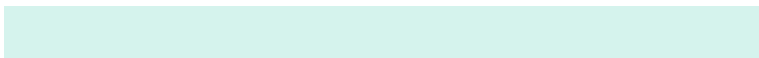
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.5909, 0.3038, 0.3081



84.5909, 0.3374, 0.3435



84.5909, 0.2971, 0.3356

Complementary

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



84.5909, 0.3038, 0.3081



97.6009, 0.3212, 0.3495

Split Complementary

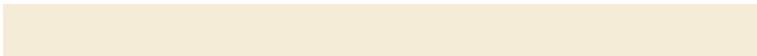
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.5909, 0.3086, 0.3456



84.5909, 0.3038, 0.3081



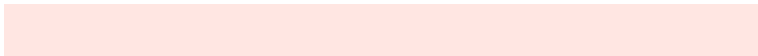
84.5909, 0.3320, 0.3500

Square

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



84.5909, 0.3038, 0.3081



84.5909, 0.3362, 0.3334



84.5909, 0.3213, 0.3509



84.5909, 0.2898, 0.3239

Rectangle

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



84.5909, 0.3038, 0.3081



84.5909, 0.3248, 0.3190



84.5909, 0.3213, 0.3509



84.5909, 0.3006, 0.3393

Sweetspot

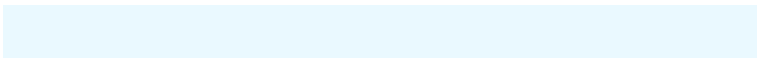
The Sweet Spot groups the original color and five complimentary colors.



84.5932, 0.3038, 0.3081



96.1046, 0.3107, 0.3241



92.4959, 0.2999, 0.3231



20.6112, 0.3108, 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.



84.5932, 0.3038, 0.3081



81.5031, 0.3018, 0.3034



86.4750, 0.3107, 0.3086



17.6290, 0.3023, 0.3047



4.5745, 0.1683, 0.0701



0.4980, 0.1798, 0.0764

Inverse Universe

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



86.9474, 0.3174, 0.3145



84.3354, 0.3185, 0.3113



95.7337, 0.3146, 0.3499



18.2067, 0.3182, 0.3122



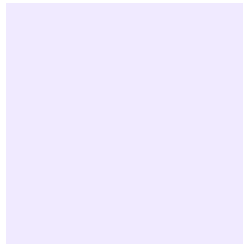
12.9040, 0.4095, 0.2029



1.2753, 0.3970, 0.1960

Previews

White Background



This preview shows how the Yxy color 84.5909, 0.3038, 0.3081 looks on a white background.

Color Contrast Check

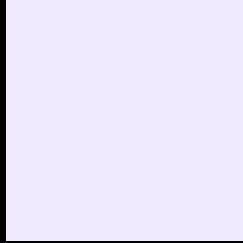
Large Text (above 18pt) WCAG AA × Fail

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 84.5909, 0.3038, 0.3081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

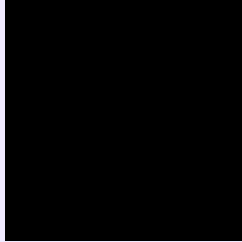
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.5909, 0.3038, 0.3081

Background



This preview shows how black text looks on a background with the Yxy color 84.5909, 0.3038, 0.3081.



This preview shows how white text looks on a background with the Yxy color 84.5909, 0.3038, 0.3081.

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

84.5909, 0.3038, 0.3081

Protanopia

84.4695, 0.3012, 0.3090

Deuteranopia

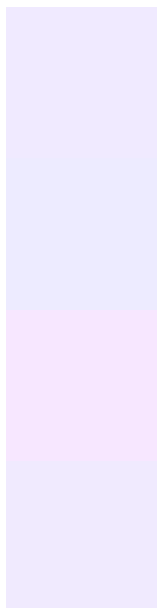
84.3229, 0.3112, 0.3046



Tritanopia

84.4628, 0.3050, 0.3101

Trichromacy



Original Color

84.5909, 0.3038, 0.3081

Protanomaly

84.6412, 0.3019, 0.3090

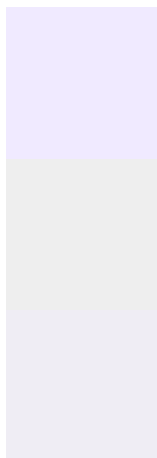
Deuteranomaly

84.1460, 0.3085, 0.3054

Tritanomaly

84.5267, 0.3044, 0.3091

Monochromacy



Original Color

84.5909, 0.3038, 0.3081

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.4507, 0.3097, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5909, 0.3038, 0.3081 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(240, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(240, 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(240, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 234, 255) }
```

Border

The CSS property to change the border of an element to Yxy 84.5909, 0.3038, 0.3081 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(240, 234, 255) }
```

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

```
.border{ border-color:rgb(240, 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(240, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 234,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5909, 0.3038, 0.3081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 234, 255) }
```

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

```
.background{ background-color: rgb(240,  
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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