

Converting Colors

$Y_{xy}(85.5123, 0.2730, 0.2708)$

Have a look what the booklet for
Yxy(85.5123, 0.2730, 0.2708)
contains.

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Color

Yxy(82.8054, 0.2948, 0.3086)

Conversions

Conversions Part 1

Format	Color
Hex	E2EBFF
RGB	226, 235, 255
RGB Percent	89%, 92%, 100%
CMY	0.1140, 0.0783, 0.0000
CMYK	0.11, 0.08, 0.00, 0.00
HSL	221°, 100%, 94%
HSV	221°, 11%, 100%
XYZ	79.1025, 82.8054, 106.4181
YIQ	234.5890, -11.7840, 4.3120

Conversions

Conversions Part 2

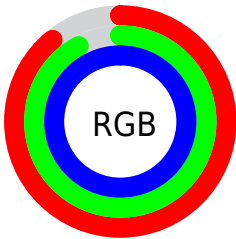
Format	Color
RYB	226, 233, 255
Decimal	14871551
CIELab	92.93, 0.79, -10.67
CIElCh	93, 10.700, 274.240
Yxy	82.8054, 0.2948, 0.3086
Android (android.graphics.Color)	4293061631 (0xFFE2EBFF)
YUV	234.5890, 10.0626, -7.5326
Hunter-Lab	90.9975, -4.0787, -5.6392

Details

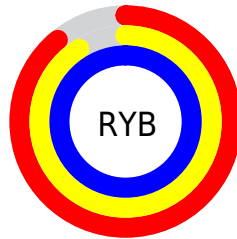
The Yxy color **82.8054, 0.2948, 0.3086** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **92.5891, 0.3309, 0.3486**, and the grayscale version is **82.6714, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.9753, 0.2914, 0.3041** is the 20% darker color. If you saturate the color by 10%, you get **69.4503, 0.2779, 0.2883**, and if you desaturate by 10%, it is **97.7674, 0.3106, 0.3266**.

Distribution



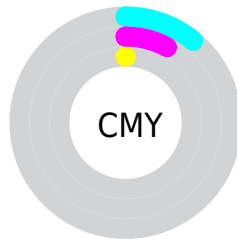
- Red (89%)
- Green (92%)
- Blue (100%)



- Red (89%)
- Yellow (91%)
- Blue (100%)



- Cyan (11%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.8054, 0.2948, 0.3086 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 82.8054, 0.2948, 0.3086 by changing the saturation by 10% instead.

82.8054, 0.2948,
0.3086

82.8054, 0.2948,
0.3086

504.3377, 0.3029,
0.3178

62.0296, 0.2930,
0.3066

137.3029, 0.2976,
0.3117

45.0566, 0.2908,
0.3041

171.7934, 0.2987,
0.3130

31.5020, 0.2881,
0.3010

211.6242, 0.2996,
0.3140

20.9814, 0.2845,
0.2970

257.1798, 0.3004,
0.3150

13.1104, 0.2798,
0.2917

308.8446, 0.3011,
0.3158

7.5046, 0.2733,
0.2843

367.0029, 0.3018,

3.7797, 0.2635,

0.3165

0.2733

432.0392, 0.3024,
0.3172

■ 1.5511, 0.2473,
0.2553

■ 0.3243, 0.1864,
0.1845

■ 82.8054, 0.2948,
0.3086

■ 82.8054, 0.2948,
0.3086

■ 69.4503, 0.2779,
0.2883

■ 97.7674, 0.3106,
0.3266

■ 57.6364, 0.2600,
0.2659

99.9998, 0.3127,
0.3290

■ 47.3086, 0.2417,
0.2415

■ 38.4040, 0.2235,
0.2156

■ 30.8553, 0.2060,
0.1890

■ 24.5888, 0.1903,
0.1626

■ 19.5227, 0.1771,
0.1378

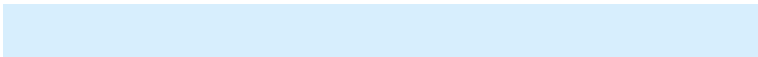
■ 15.5634, 0.1671,
0.1158

■ 12.9408, 0.1610,
0.0997

Harmonies

Analogous

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



82.8054, 0.2894, 0.3137



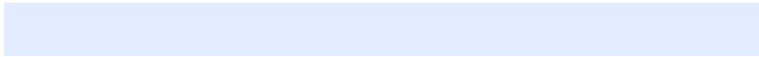
82.8054, 0.2948, 0.3086



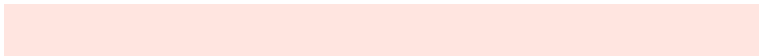
82.8054, 0.3050, 0.3089

Triad

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



82.8054, 0.2948, 0.3086



82.8054, 0.3359, 0.3342



82.8054, 0.3077, 0.3445

Complementary

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



82.8054, 0.2948, 0.3086



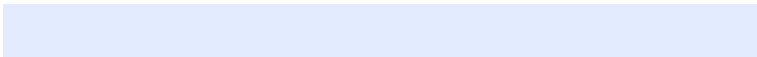
92.5891, 0.3309, 0.3486

Split Complementary

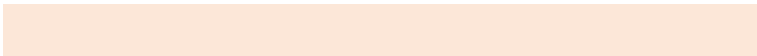
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.8054, 0.3201, 0.3501



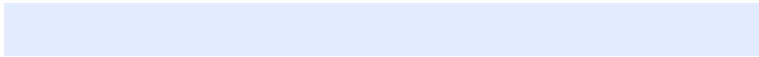
82.8054, 0.2948, 0.3086



82.8054, 0.3366, 0.3438

Square

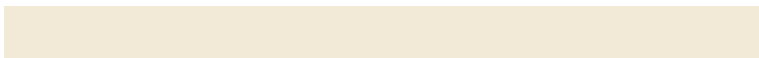
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.8054, 0.2948, 0.3086



82.8054, 0.3288, 0.3234



82.8054, 0.3307, 0.3497



82.8054, 0.2967, 0.3345

Rectangle

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



82.8054, 0.2948, 0.3086



82.8054, 0.3133, 0.3120



82.8054, 0.3307, 0.3497



82.8054, 0.3118, 0.3469

Sweetspot

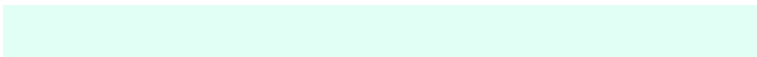
The Sweet Spot groups the original color and five complimentary colors.



82.8089, 0.2948, 0.3086



95.2717, 0.3082, 0.3239



94.3149, 0.3002, 0.3383



20.1270, 0.3069, 0.3225



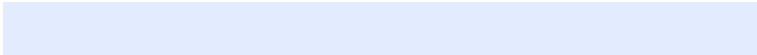
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



82.8089, 0.2948, 0.3086



79.1903, 0.2905, 0.3036



78.5992, 0.2981, 0.2994



18.3062, 0.2979, 0.3122



6.9956, 0.1618, 0.1025



0.8667, 0.1680, 0.1246

Inverse Universe

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



81.6081, 0.3271, 0.3200



77.8201, 0.3309, 0.3179



97.2673, 0.3264, 0.3576



18.0808, 0.3245, 0.3216



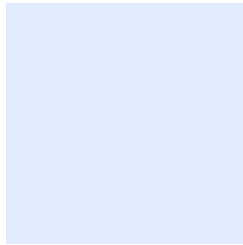
11.4342, 0.5721, 0.2925



1.1320, 0.5401, 0.2749

Previews

White Background



This preview shows how the Yxy color 82.8054, 0.2948, 0.3086 looks on a white background.

Color Contrast Check

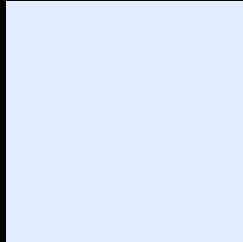
Large Text (above 18pt) WCAG AA × Fail

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 82.8054, 0.2948, 0.3086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

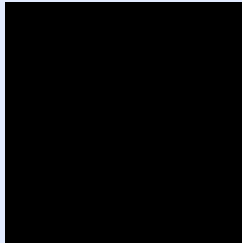
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.8054, 0.2948, 0.3086

Background



This preview shows how black text looks on a background with the Yxy color 82.8054, 0.2948, 0.3086.



This preview shows how white text looks on a background with the Yxy color 82.8054, 0.2948, 0.3086.

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

82.8054, 0.2948, 0.3086

Protanopia

82.7572, 0.2999, 0.3078

Deuteranopia

82.2996, 0.3079, 0.3024



Tritanopia

82.7412, 0.2954, 0.3096

Trichromacy



Original Color

82.8054, 0.2948, 0.3086

Protanomaly

82.8244, 0.2980, 0.3087

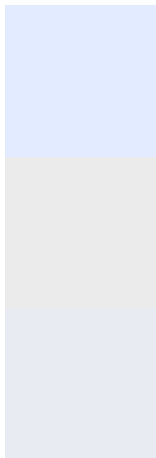
Deuteranomaly

82.7226, 0.3032, 0.3050

Tritanomaly

82.7412, 0.2954, 0.3096

Monochromacy



Original Color

82.8054, 0.2948, 0.3086

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

82.9833, 0.3064, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8054, 0.2948, 0.3086 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(226, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 235, 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(226, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 235, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.8054, 0.2948, 0.3086 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(226, 235, 255) }
```

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

```
.border{ border-color:rgb(226, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 235,  
255) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 82.8054, 0.2948, 0.3086$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 235, 255) }
```

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

```
.background{ background-color: rgb(226,  
235, 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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