

Converting Colors

$Yxy(82.4344, 0.2974, 0.3103)$

Have a look what the booklet for
Yxy(82.4344, 0.2974, 0.3103)
contains.

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Color

Yxy(82.3679, 0.2979, 0.3106)

Conversions

Conversions Part 1

Format	Color
Hex	E4EAF0
RGB	228, 234, 252
RGB Percent	89%, 92%, 99%
CMY	0.1057, 0.0824, 0.0118
CMYK	0.09, 0.07, 0.00, 0.01
HSL	225°, 80%, 94%
HSV	225°, 9%, 99%
XYZ	79.0000, 82.3679, 103.8217
YIQ	234.2580, -9.3540, 4.3260

Conversions

Conversions Part 2

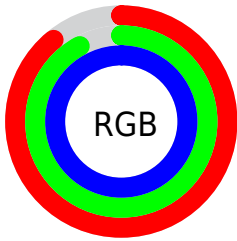
Format	Color
R _Y B	228, 233, 252
Decimal	15002364
CIE Lab	92.74, 1.42, -9.37
CIE LCh	93, 9.481, 278.590
Yxy	82.3679, 0.2979, 0.3106
Android (android.graphics.Color)	4293192444 (0xFFE4EAF0)
YUV	234.2580, 8.7468, -5.4883
Hunter-Lab	90.7568, -3.4475, -4.2954

Details

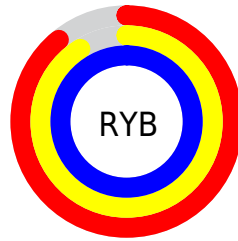
The Yxy color $82.3679, 0.2979, 0.3106$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $92.2448, 0.3275, 0.3468$, and the grayscale version is $82.4304, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $44.6652, 0.2952, 0.3067$ is the 20% darker color. If you saturate the color by 10%, you get $68.3251, 0.2810, 0.2888$, and if you desaturate by 10%, it is $98.1726, 0.3135, 0.3299$.

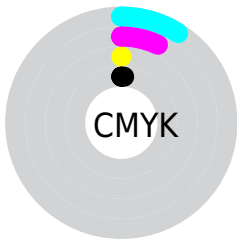
Distribution



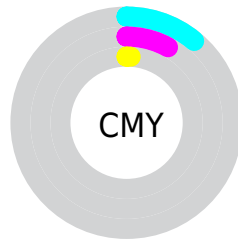
- Red (89%)
- Green (92%)
- Blue (99%)



- Red (89%)
- Yellow (91%)
- Blue (99%)



- Cyan (9%)
- Magenta (7%)
- Yellow (0%)
- Black (1%)



- Cyan (11%)
- Magenta (8%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.3679, 0.2979, 0.3106 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 82.3679, 0.2979, 0.3106 by changing the saturation by 10% instead.

82.3679, 0.2979,
0.3106

82.3679, 0.2979,
0.3106

502.8775, 0.3046,
0.3189

61.6688, 0.2964,
0.3088

136.6898, 0.3002,
0.3134

44.7652, 0.2946,
0.3065

171.0814, 0.3011,
0.3145

31.2725, 0.2923,
0.3037

210.8060, 0.3019,
0.3155

20.8064, 0.2893,
0.3001

256.2480, 0.3026,
0.3164

12.9826, 0.2854,
0.2953

307.7917, 0.3032,
0.3171

7.4166, 0.2799,
0.2886

365.8216, 0.3037,

3.7239, 0.2716,

0.3178

0.2786

430.7221, 0.3042,
0.3184

■ 1.5204, 0.2578,
0.2622

■ 0.3030, 0.2002,
0.1881

■ 82.3679, 0.2979,
0.3106

■ 82.3679, 0.2979,
0.3106

■ 68.3251, 0.2810,
0.2888

■ 98.1726, 0.3135,
0.3299

■ 55.9717, 0.2629,
0.2646

99.8077, 0.3144,
0.3319

■ 45.2455, 0.2440,
0.2382

■ 36.0764, 0.2249,
0.2101

■ 28.3888, 0.2064,
0.1813

■ 22.1004, 0.1896,
0.1531

■ 17.1204, 0.1753,
0.1269

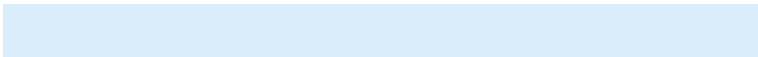
■ 13.3452, 0.1645,
0.1043

■ 10.6383, 0.1574,
0.0864

Harmonies

Analogous

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



82.3679, 0.2924, 0.3145



82.3679, 0.2979, 0.3106



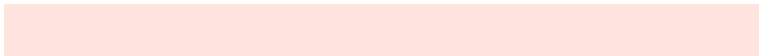
82.3679, 0.3074, 0.3115

Triad

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



82.3679, 0.2979, 0.3106



82.3679, 0.3337, 0.3350



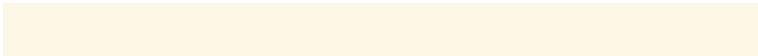
82.3679, 0.3067, 0.3416

Complementary

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



82.3679, 0.2979, 0.3106



92.2448, 0.3275, 0.3468

Split Complementary

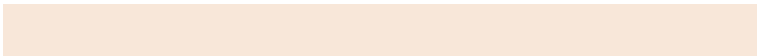
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.3679, 0.3177, 0.3473



82.3679, 0.2979, 0.3106



82.3679, 0.3335, 0.3432

Square

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



82.3679, 0.2979, 0.3106



82.3679, 0.3282, 0.3254



82.3679, 0.3276, 0.3478



82.3679, 0.2974, 0.3324

Rectangle

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



82.3679, 0.2979, 0.3106



82.3679, 0.3149, 0.3147



82.3679, 0.3276, 0.3478



82.3679, 0.3103, 0.3440

Sweetspot

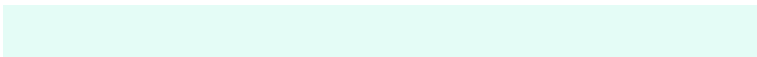
The Sweet Spot groups the original color and five complimentary colors.



82.3714, 0.2979, 0.3106



94.9618, 0.3082, 0.3234



92.7729, 0.3014, 0.3350



20.0435, 0.3069, 0.3219



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.



82.3714, 0.2979, 0.3106



82.3339, 0.2954, 0.3075



80.0450, 0.3018, 0.3047



17.3420, 0.2979, 0.3106



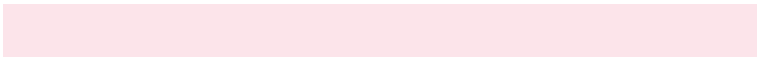
5.6769, 0.1578, 0.0882



0.6856, 0.1639, 0.1101

Inverse Universe

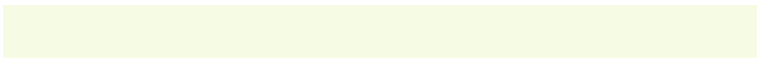
The Inverse Universe completely reimagines the original color for something new.



82.1518, 0.3255, 0.3231



82.1058, 0.3278, 0.3222



94.8141, 0.3230, 0.3527



17.2958, 0.3255, 0.3231



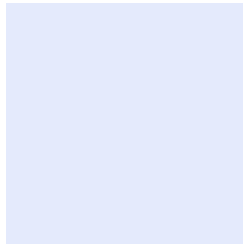
10.9840, 0.5940, 0.3046



1.0334, 0.5609, 0.2864

Previews

White Background



This preview shows how the Yxy color 82.3679, 0.2979, 0.3106 looks on a white background.

Color Contrast Check

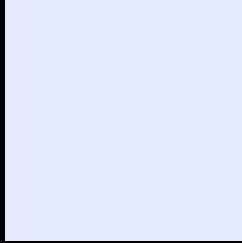
Large Text (above 18pt) WCAG AA × Fail

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 82.3679, 0.2979, 0.3106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

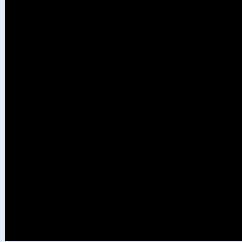
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

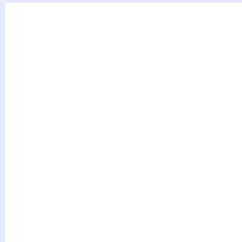
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.3679, 0.2979, 0.3106

Background



This preview shows how black text looks on a background with the Yxy color 82.3679, 0.2979, 0.3106.



This preview shows how white text looks on a background with the Yxy color 82.3679, 0.2979, 0.3106.

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

82.3679, 0.2979, 0.3106

Protanopia

82.5665, 0.3017, 0.3107

Deuteranopia

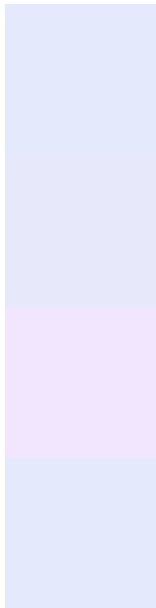
81.9865, 0.3105, 0.3034



Tritanopia

82.3679, 0.2979, 0.3106

Trichromacy



Original Color

82.3679, 0.2979, 0.3106

Protanomaly

82.2318, 0.3004, 0.3107

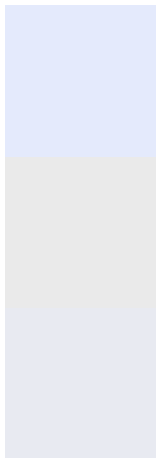
Deuteranomaly

82.3862, 0.3057, 0.3061

Tritanomaly

82.3679, 0.2979, 0.3106

Monochromacy



Original Color

82.3679, 0.2979, 0.3106

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.3523, 0.3071, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.3679, 0.2979, 0.3106 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(228, 234, 252)` looks like.

```
.text, #text, p{  
    color:rgb(228, 234, 252)  
}
```

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(228, 234, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 234, 252) }
```

Border

The CSS property to change the border of an element to Yxy 82.3679, 0.2979, 0.3106 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(228, 234, 252) }
```

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

```
.border{ border-color:rgb(228, 234, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 234, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 234, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 234, 252);  
box-shadow:4px 4px 4px 4px rgb(228, 234,  
252) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 82.3679, 0.2979, 0.3106$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 234, 252) }
```

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

```
.background{ background-color: rgb(228,  
234, 252) }
```

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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