

Converting Colors

$Y_{xy}(82.2078, 0.2975, 0.3129)$

Have a look what the booklet for
Yxy(82.2078, 0.2975, 0.3129)
contains.

Yxy(82.4875, 0.2978, 0.3136)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(82.4875, 0.2978, 0.3136)

Conversions

Conversions Part 1

Format	Color
Hex	E2EBFA
RGB	226, 235, 250
RGB Percent	89%, 92%, 98%
CMY	0.1136, 0.0784, 0.0197
CMYK	0.10, 0.06, 0.00, 0.02
HSL	218°, 70%, 93%
HSV	218°, 10%, 98%
XYZ	78.3316, 82.4875, 102.2151
YIQ	234.0190, -10.1790, 2.7570

Conversions

Conversions Part 2

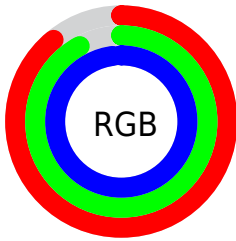
Format	Color
R _Y B	226, 233, 250
Decimal	14871546
CIE Lab	92.79, -0.14, -8.26
CIE LCh	93, 8.264, 269.027
Yxy	82.4875, 0.2978, 0.3136
Android (android.graphics.Color)	4293061626 (0xFFE2EBFA)
YUV	234.0190, 7.8786, -7.0327
Hunter-Lab	90.8226, -4.9892, -3.1513

Details

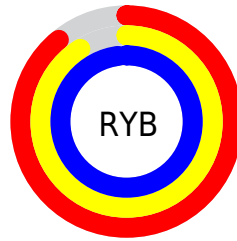
The Yxy color **82.4875, 0.2978, 0.3136** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.7286, 0.3280, 0.3439**, and the grayscale version is **82.2442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.7932, 0.2944, 0.3092** is the 20% darker color. If you saturate the color by 10%, you get **70.1758, 0.2813, 0.2956**, and if you desaturate by 10%, it is **96.1823, 0.3133, 0.3296**.

Distribution



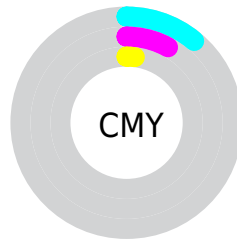
- Red (89%)
- Green (92%)
- Blue (98%)



- Red (89%)
- Yellow (91%)
- Blue (98%)



- Cyan (10%)
- Magenta (6%)
- Yellow (0%)
- Black (2%)



- Cyan (11%)
- Magenta (8%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.4875, 0.2978, 0.3136 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 82.4875, 0.2978, 0.3136 by changing the saturation by 10% instead.

82.4875, 0.2978,
0.3136

82.4875, 0.2978,
0.3136

503.2769, 0.3045,
0.3206

61.7675, 0.2963,
0.3120

136.8574, 0.3001,
0.3160

44.8448, 0.2945,
0.3101

171.2761, 0.3010,
0.3169

31.3352, 0.2922,
0.3078

211.0298, 0.3018,
0.3177

20.8542, 0.2892,
0.3047

256.5028, 0.3025,
0.3184

13.0175, 0.2853,
0.3006

308.0797, 0.3031,
0.3191

7.4406, 0.2797,
0.2949

366.1447, 0.3036,

3.7391, 0.2715,

0.3196

0.2863

431.0823, 0.3041,
0.3201

■ 1.5287, 0.2577,
0.2721

■ 0.3088, 0.1918,
0.2041

■ 82.4875, 0.2978,
0.3136

■ 82.4875, 0.2978,
0.3136

■ 70.1758, 0.2813,
0.2956

■ 96.1823, 0.3133,
0.3296

■ 59.1913, 0.2640,
0.2756

■ 99.6807, 0.3156,
0.3338

■ 49.4892, 0.2463,
0.2538

■ 41.0181, 0.2288,
0.2305

■ 33.7227, 0.2120,
0.2063

■ 27.5429, 0.1966,
0.1818

■ 22.4119, 0.1835,
0.1580

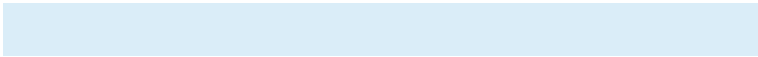
■ 18.2536, 0.1732,
0.1360

■ 14.9619, 0.1658,
0.1165

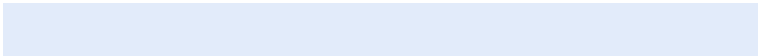
Harmonies

Analogous

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



82.4875, 0.2944, 0.3183



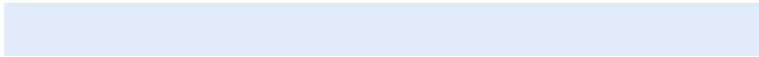
82.4875, 0.2978, 0.3136



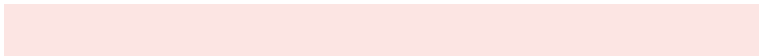
82.4875, 0.3052, 0.3130

Triad

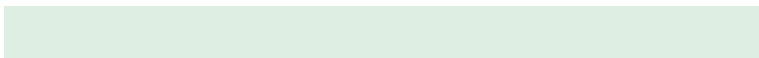
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.4875, 0.2978, 0.3136



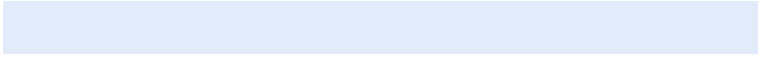
82.4875, 0.3300, 0.3316



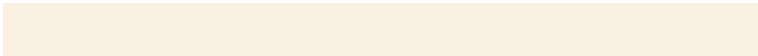
82.4875, 0.3105, 0.3419

Complementary

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



82.4875, 0.2978, 0.3136



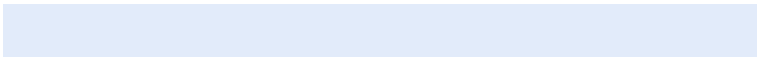
88.7286, 0.3280, 0.3439

Split Complementary

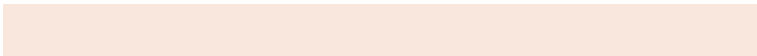
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.4875, 0.3201, 0.3455



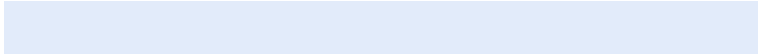
82.4875, 0.2978, 0.3136



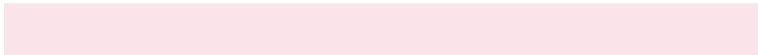
82.4875, 0.3314, 0.3394

Square

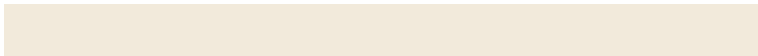
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.4875, 0.2978, 0.3136



82.4875, 0.3238, 0.3233



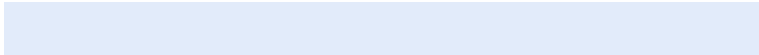
82.4875, 0.3278, 0.3445



82.4875, 0.3016, 0.3347

Rectangle

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



82.4875, 0.2978, 0.3136



82.4875, 0.3115, 0.3150



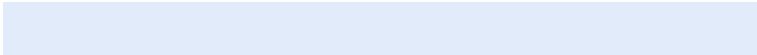
82.4875, 0.3278, 0.3445



82.4875, 0.3137, 0.3436

Sweetspot

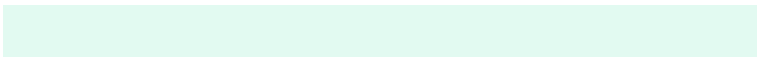
The Sweet Spot groups the original color and five complimentary colors.



82.4910, 0.2978, 0.3136



95.5627, 0.3081, 0.3244



90.8694, 0.3031, 0.3383



20.2053, 0.3069, 0.3231



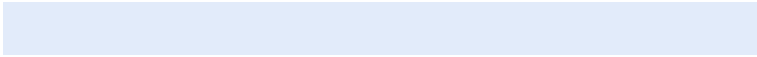
0.0000, 0.0000, 0.0000



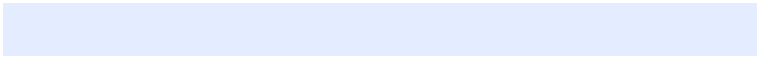
21.4041, 0.3127, 0.3290

Same Dimension

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



82.4910, 0.2978, 0.3136



84.3748, 0.2955, 0.3111



77.9403, 0.2996, 0.3044



17.7080, 0.2979, 0.3137



8.1255, 0.1663, 0.1187



0.9487, 0.1729, 0.1423

Inverse Universe

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



80.7281, 0.3236, 0.3201



82.3119, 0.3254, 0.3187



93.6568, 0.3252, 0.3528



17.3327, 0.3235, 0.3201



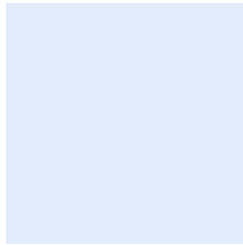
11.2312, 0.5485, 0.2795



1.0600, 0.5160, 0.2616

Previews

White Background



This preview shows how the Yxy color 82.4875, 0.2978, 0.3136 looks on a white background.

Color Contrast Check

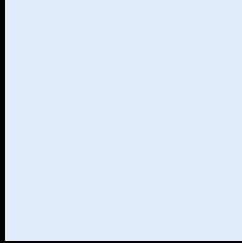
Large Text (above 18pt) WCAG AA × Fail

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 82.4875, 0.2978, 0.3136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

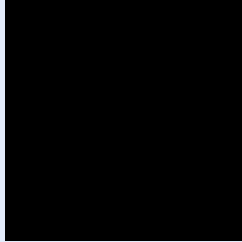
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

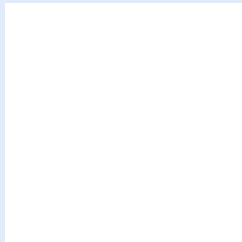
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.4875, 0.2978, 0.3136

Background



This preview shows how black text looks on a background with the Yxy color 82.4875, 0.2978, 0.3136.

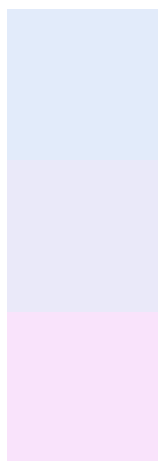


This preview shows how white text looks on a background with the Yxy color 82.4875, 0.2978, 0.3136.

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

82.4875, 0.2978, 0.3136

Protanopia

82.6098, 0.3035, 0.3128

Deuteranopia

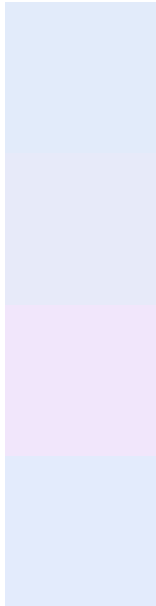
82.0429, 0.3125, 0.3054



Tritanopia

82.8394, 0.2966, 0.3106

Trichromacy



Original Color

82.4875, 0.2978, 0.3136

Protanomaly

82.6741, 0.3016, 0.3137

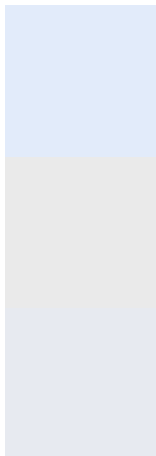
Deuteranomaly

82.2594, 0.3070, 0.3080

Tritanomaly

82.7758, 0.2972, 0.3116

Monochromacy



Original Color

82.4875, 0.2978, 0.3136

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.1258, 0.3070, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.4875, 0.2978, 0.3136 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(226, 235, 250)  
}
```

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, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 235, 250) }
```

Border

The CSS property to change the border of an element to Yxy 82.4875, 0.2978, 0.3136 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, 250) }
```

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

```
.border{ border-color:rgb(226, 235, 250) }
```

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, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 235, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 235, 250);  
box-shadow:4px 4px 4px 4px rgb(226, 235,  
250) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 82.4875, 0.2978, 0.3136$ 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, 250) }
```

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

```
.background{ background-color: rgb(226,  
235, 250) }
```

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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