

Converting Colors

Yxy(82.2720, 0.3004, 0.3164)

Have a look what the booklet for
Yxy(82.2720, 0.3004, 0.3164)
contains.

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Color

Yxy(82.4630, 0.3002, 0.3166)

Conversions

Conversions Part 1

Format	Color
Hex	E3EBF7
RGB	227, 235, 247
RGB Percent	89%, 92%, 97%
CMY	0.1096, 0.0785, 0.0313
CMYK	0.08, 0.05, 0.00, 0.03
HSL	216°, 56%, 93%
HSV	216°, 8%, 97%
XYZ	78.1914, 82.4630, 99.8099
YIQ	233.9760, -8.6200, 2.0360

Conversions

Conversions Part 2

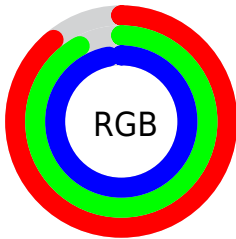
Format	Color
R _Y B	227, 233, 247
Decimal	14937079
CIE Lab	92.78, -0.37, -6.73
CIE LCh	93, 6.744, 266.824
Yxy	82.4630, 0.3002, 0.3166
Android (android.graphics.Color)	4293127159 (0xFFE3EBF7)
YUV	233.9760, 6.4208, -6.1180
Hunter-Lab	90.8091, -5.2182, -1.6003

Details

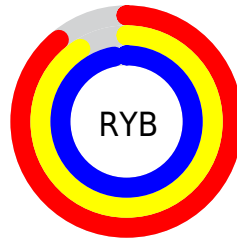
The Yxy color **82.4630, 0.3002, 0.3166** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.1168, 0.3255, 0.3411**, and the grayscale version is **82.2248, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.7724, 0.2975, 0.3131** is the 20% darker color. If you saturate the color by 10%, you get **70.5590, 0.2839, 0.2996**, and if you desaturate by 10%, it is **95.6642, 0.3156, 0.3318**.

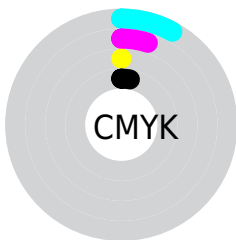
Distribution



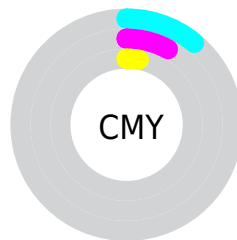
- Red (89%)
- Green (92%)
- Blue (97%)



- Red (89%)
- Yellow (91%)
- Blue (97%)



- Cyan (8%)
- Magenta (5%)
- Yellow (0%)
- Black (3%)



- Cyan (11%)
- Magenta (8%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.4630, 0.3002, 0.3166 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 82.4630, 0.3002, 0.3166 by changing the saturation by 10% instead.

82.4630, 0.3002,
0.3166

82.4630, 0.3002,
0.3166

503.1951, 0.3059,
0.3222

61.7472, 0.2989,
0.3153

136.8231, 0.3021,
0.3185

44.8285, 0.2974,
0.3138

171.2362, 0.3029,
0.3193

31.3224, 0.2955,
0.3119

210.9839, 0.3036,
0.3199

20.8444, 0.2930,
0.3094

256.4506, 0.3041,
0.3205

13.0103, 0.2897,
0.3061

308.0207, 0.3046,
0.3210

7.4357, 0.2850,
0.3015

366.0785, 0.3051,

3.7360, 0.2780,

0.3215

0.2945

431.0085, 0.3055,
0.3219

■ 1.5270, 0.2663,
0.2827

■ 0.3076, 0.2028,
0.2203

■ 82.4630, 0.3002,
0.3166

■ 82.4630, 0.3002,
0.3166

■ 70.5590, 0.2839,
0.2996

■ 95.6642, 0.3156,
0.3318

■ 59.9000, 0.2668,
0.2807

■ 99.4969, 0.3173,
0.3366

■ 50.4452, 0.2494,
0.2600

■ 42.1474, 0.2321,
0.2378

■ 34.9562, 0.2154,
0.2145

■ 28.8164, 0.2001,
0.1908

■ 23.6672, 0.1869,
0.1675

■ 19.4395, 0.1763,
0.1456

■ 16.0454, 0.1686,
0.1258

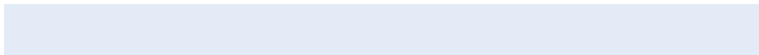
Harmonies

Analogous

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



82.4630, 0.2977, 0.3207



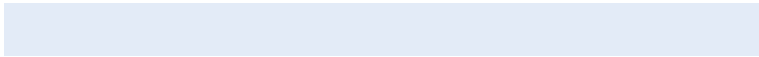
82.4630, 0.3002, 0.3166



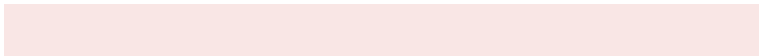
82.4630, 0.3061, 0.3158

Triad

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



82.4630, 0.3002, 0.3166



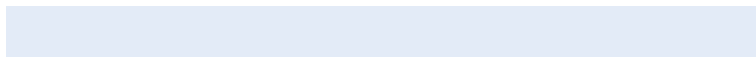
82.4630, 0.3265, 0.3307



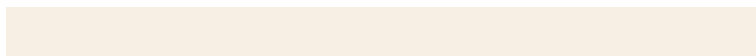
82.4630, 0.3115, 0.3399

Complementary

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



82.4630, 0.3002, 0.3166



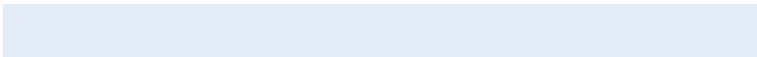
87.1168, 0.3255, 0.3411

Split Complementary

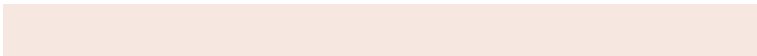
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.4630, 0.3193, 0.3425



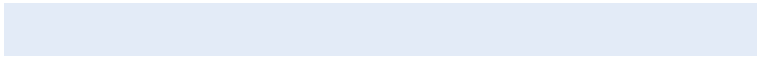
82.4630, 0.3002, 0.3166



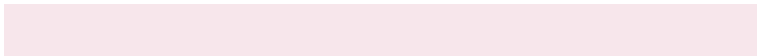
82.4630, 0.3280, 0.3371

Square

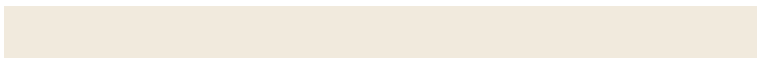
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.4630, 0.3002, 0.3166



82.4630, 0.3213, 0.3239



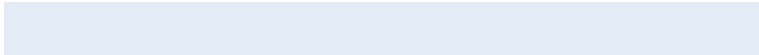
82.4630, 0.3253, 0.3415



82.4630, 0.3041, 0.3342

Rectangle

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



82.4630, 0.3002, 0.3166



82.4630, 0.3111, 0.3173



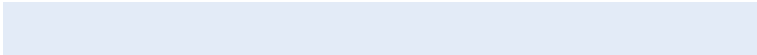
82.4630, 0.3253, 0.3415



82.4630, 0.3142, 0.3411

Sweetspot

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



82.4665, 0.3002, 0.3166



97.0994, 0.3097, 0.3260



89.1110, 0.3048, 0.3371



20.8137, 0.3098, 0.3262



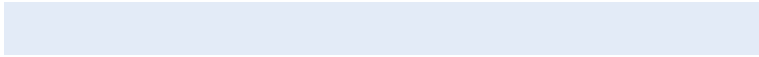
0.0000, 0.0000, 0.0000



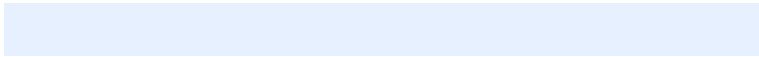
21.4041, 0.3127, 0.3290

Same Dimension

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



82.4665, 0.3002, 0.3166



86.0608, 0.2971, 0.3135



78.3540, 0.3015, 0.3084



17.0065, 0.2980, 0.3143



8.4387, 0.1682, 0.1253



0.9365, 0.1750, 0.1500

Inverse Universe

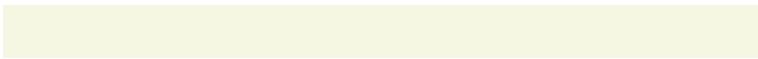
The Inverse Universe completely reimagines the original color for something new.



80.7460, 0.3214, 0.3211



83.8448, 0.3238, 0.3191



91.5031, 0.3234, 0.3490



16.5915, 0.3231, 0.3196



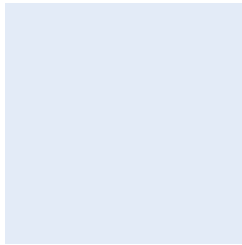
10.9513, 0.5391, 0.2744



0.9822, 0.5059, 0.2560

Previews

White Background



This preview shows how the Yxy color 82.4630, 0.3002, 0.3166 looks on a white background.

Color Contrast Check

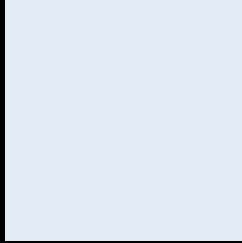
Large Text (above 18pt) WCAG AA × Fail

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 82.4630, 0.3002, 0.3166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

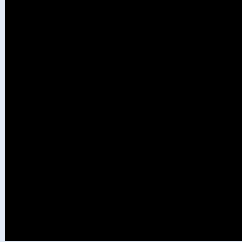
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

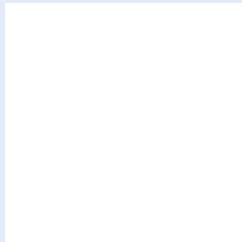
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.4630, 0.3002, 0.3166

Background



This preview shows how black text looks on a background with the Yxy color 82.4630, 0.3002, 0.3166.

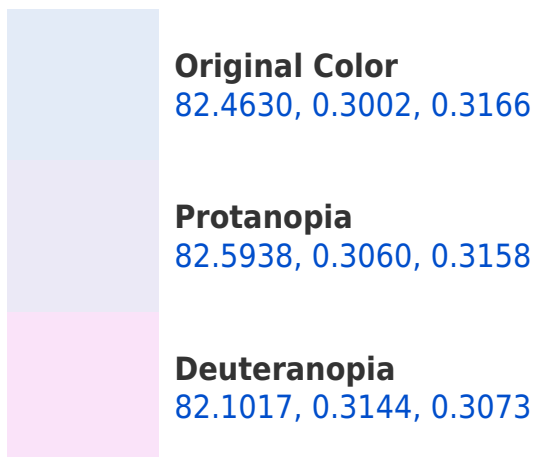


This preview shows how white text looks on a background with the Yxy color 82.4630, 0.3002, 0.3166.

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

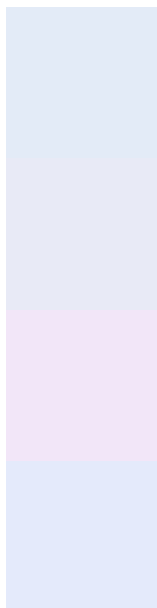




Tritanopia

82.4315, 0.2973, 0.3096

Trichromacy



Original Color

82.4630, 0.3002, 0.3166

Protanomaly

82.6553, 0.3040, 0.3167

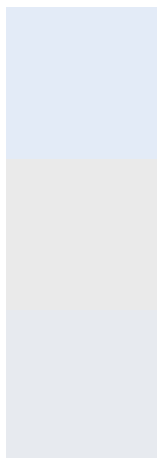
Deuteranomaly

82.2482, 0.3095, 0.3110

Tritanomaly

82.3047, 0.2984, 0.3116

Monochromacy



Original Color

82.4630, 0.3002, 0.3166

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.0666, 0.3076, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.4630, 0.3002, 0.3166 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(227, 235, 247)` looks like.

```
.text, #text, p{  
    color:rgb(227, 235, 247)  
}
```

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(227, 235, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 235, 247) }
```

Border

The CSS property to change the border of an element to Yxy 82.4630, 0.3002, 0.3166 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(227, 235, 247) }
```

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

```
.border{ border-color:rgb(227, 235, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 235, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 235, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 235, 247);  
box-shadow:4px 4px 4px 4px rgb(227, 235,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 82.4630, 0.3002, 0.3166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 235, 247) }
```

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

```
.background{ background-color: rgb(227,  
235, 247) }
```

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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