

Converting Colors

Yxy(83.0066, 0.2971, 0.3148)

Have a look what the booklet for
Yxy(83.0066, 0.2971, 0.3148)
contains.

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Color

Yxy(82.9006, 0.2971, 0.3146)

Conversions

Conversions Part 1

Format	Color
Hex	E1ECFA
RGB	225, 236, 250
RGB Percent	88%, 93%, 98%
CMY	0.1179, 0.0744, 0.0196
CMYK	0.10, 0.06, 0.00, 0.02
HSL	213°, 72%, 93%
HSV	213°, 10%, 98%
XYZ	78.2892, 82.9006, 102.3214
YIQ	234.3070, -11.0500, 2.0220

Conversions

Conversions Part 2

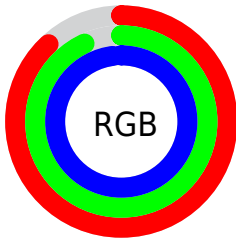
Format	Color
R _Y B	225, 233, 250
Decimal	14806266
CIE Lab	92.97, -1.01, -8.02
CIE LCh	93, 8.081, 262.846
Yxy	82.9006, 0.2971, 0.3146
Android (android.graphics.Color)	4292996346 (0xFFE1ECFA)
YUV	234.3070, 7.7366, -8.1622
Hunter-Lab	91.0498, -5.8538, -2.8950

Details

The Yxy color **82.9006, 0.2971, 0.3146** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.4495, 0.3289, 0.3430**, and the grayscale version is **82.4668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.0836, 0.2936, 0.3105** is the 20% darker color. If you saturate the color by 10%, you get **71.4541, 0.2808, 0.2985**, and if you desaturate by 10%, it is **95.5698, 0.3127, 0.3290**.

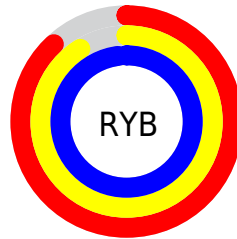
Distribution



Red (88%)

Green (93%)

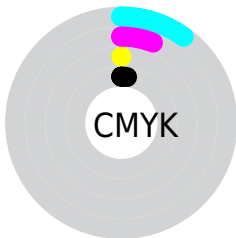
Blue (98%)



Red (88%)

Yellow (91%)

Blue (98%)

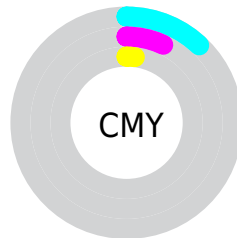


Cyan (10%)

Magenta (6%)

Yellow (0%)

Black (2%)



Cyan (12%)

Magenta (7%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.9006, 0.2971, 0.3146 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 82.9006, 0.2971, 0.3146 by changing the saturation by 10% instead.

82.9006, 0.2971,
0.3146

82.9006, 0.2971,
0.3146

504.6552, 0.3041,
0.3211

62.1082, 0.2955,
0.3131

137.4362, 0.2995,
0.3168

45.1201, 0.2936,
0.3114

171.9482, 0.3005,
0.3177

31.5520, 0.2912,
0.3091

211.8022, 0.3013,
0.3185

21.0196, 0.2882,
0.3063

257.3825, 0.3020,
0.3191

13.1383, 0.2841,
0.3024

309.0735, 0.3026,
0.3197

7.5239, 0.2783,
0.2971

367.2597, 0.3032,

3.7918, 0.2698,

0.3202

0.2890

432.3255, 0.3037,
0.3207

■ 1.5578, 0.2556,
0.2755

■ 0.3289, 0.1876,
0.2142

■ 82.9006, 0.2971,
0.3146

■ 82.9006, 0.2971,
0.3146

■ 71.4541, 0.2808,
0.2985

■ 95.5698, 0.3127,
0.3290

■ 61.1802, 0.2639,
0.2808

■ 99.6825, 0.3156,
0.3338

■ 52.0402, 0.2469,
0.2614

■ 43.9892, 0.2302,
0.2407

■ 36.9787, 0.2143,
0.2190

■ 30.9559, 0.2000,
0.1970

■ 25.8618, 0.1878,
0.1753

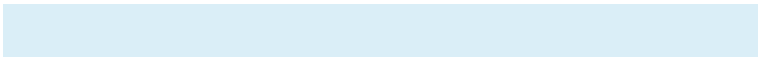
■ 21.6286, 0.1782,
0.1547

■ 18.1629, 0.1711,
0.1358

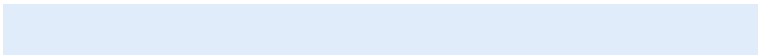
Harmonies

Analogous

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



82.9006, 0.2947, 0.3199



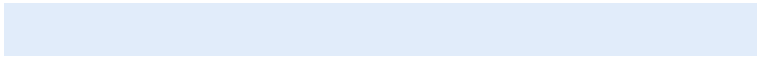
82.9006, 0.2971, 0.3146



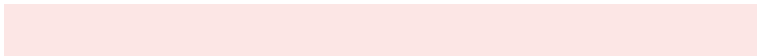
82.9006, 0.3037, 0.3132

Triad

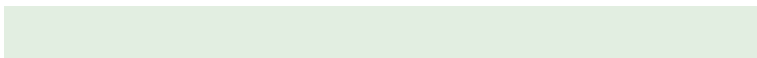
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.9006, 0.2971, 0.3146



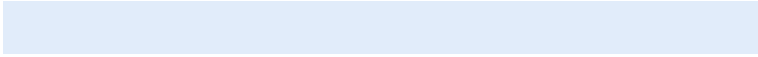
82.9006, 0.3287, 0.3299



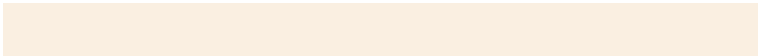
82.9006, 0.3125, 0.3427

Complementary

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



82.9006, 0.2971, 0.3146



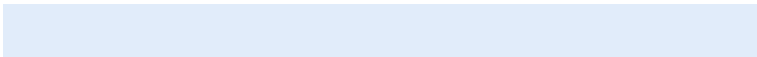
87.4495, 0.3289, 0.3430

Split Complementary

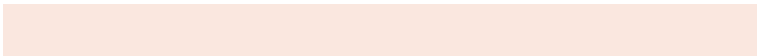
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.9006, 0.3217, 0.3453



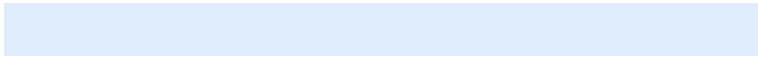
82.9006, 0.2971, 0.3146



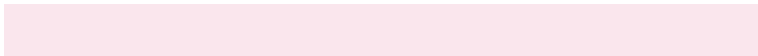
82.9006, 0.3311, 0.3377

Square

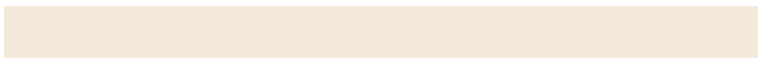
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.9006, 0.2971, 0.3146



82.9006, 0.3219, 0.3219



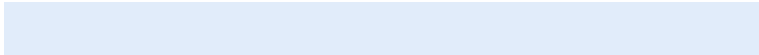
82.9006, 0.3285, 0.3434



82.9006, 0.3035, 0.3362

Rectangle

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



82.9006, 0.2971, 0.3146



82.9006, 0.3096, 0.3145



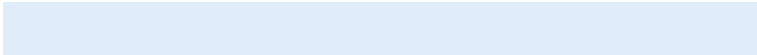
82.9006, 0.3285, 0.3434



82.9006, 0.3157, 0.3441

Sweetspot

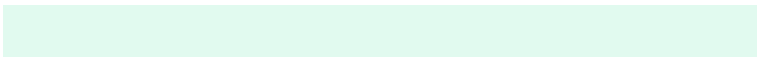
The Sweet Spot groups the original color and five complimentary colors.



82.9041, 0.2971, 0.3146



95.8844, 0.3081, 0.3249



90.5894, 0.3036, 0.3405



20.2920, 0.3069, 0.3237



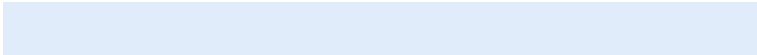
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



82.9041, 0.2971, 0.3146



84.2367, 0.2939, 0.3115



76.9230, 0.2978, 0.3031



17.9057, 0.2979, 0.3154



9.9097, 0.1719, 0.1387



1.1252, 0.1782, 0.1617

Inverse Universe

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



80.2024, 0.3230, 0.3180



80.9552, 0.3253, 0.3157



93.9026, 0.3269, 0.3538



17.3527, 0.3224, 0.3186



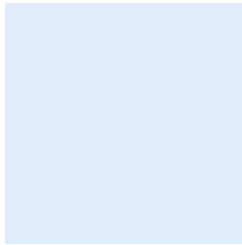
11.4113, 0.5208, 0.2643



1.0778, 0.4910, 0.2479

Previews

White Background



This preview shows how the Yxy color 82.9006, 0.2971, 0.3146 looks on a white background.

Color Contrast Check

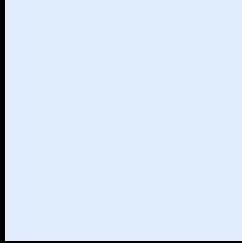
Large Text (above 18pt) WCAG AA × Fail

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 82.9006, 0.2971, 0.3146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

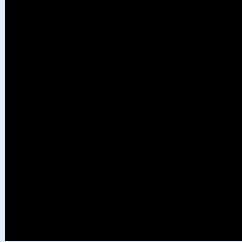
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

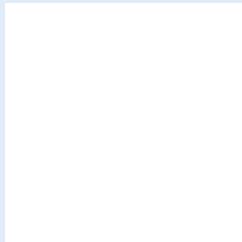
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.9006, 0.2971, 0.3146

Background



This preview shows how black text looks on a background with the Yxy color 82.9006, 0.2971, 0.3146.

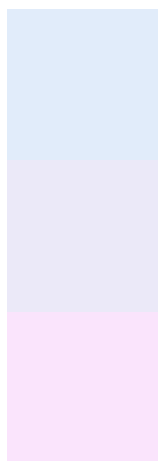


This preview shows how white text looks on a background with the Yxy color 82.9006, 0.2971, 0.3146.

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



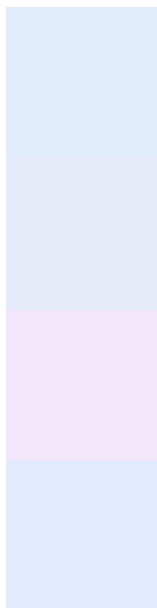
Original Color
82.9006, 0.2971, 0.3146
Protanopia
82.7173, 0.3048, 0.3138
Deuteranopia
82.8391, 0.3125, 0.3055



Tritanopia

82.7412, 0.2954, 0.3096

Trichromacy



Original Color

82.9006, 0.2971, 0.3146

Protanomaly

82.6741, 0.3016, 0.3137

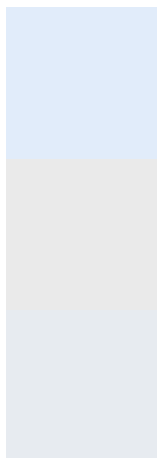
Deuteranomaly

82.8176, 0.3070, 0.3090

Tritanomaly

82.6773, 0.2960, 0.3106

Monochromacy



Original Color

82.9006, 0.2971, 0.3146

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.6969, 0.3070, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9006, 0.2971, 0.3146 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(225, 236, 250)` looks like.

```
.text, #text, p{  
    color:rgb(225, 236, 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(225, 236, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 236, 250) }
```

Border

The CSS property to change the border of an element to Yxy 82.9006, 0.2971, 0.3146 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(225, 236, 250) }
```

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

```
.border{ border-color:rgb(225, 236, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 236, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 236, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 236, 250);  
box-shadow:4px 4px 4px 4px rgb(225, 236,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 82.9006, 0.2971, 0.3146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 236, 250) }
```

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

```
.background{ background-color: rgb(225,  
236, 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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