

Converting Colors

$Yxy(82.8138, 0.2971, 0.3077)$

Have a look what the booklet for
Yxy(82.8138, 0.2971, 0.3077)
contains.

Yxy(82.8886, 0.2974, 0.3077)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(82.8886, 0.2974, 0.3077)

Conversions

Conversions Part 1

Format	Color
Hex	E6EAFF
RGB	230, 234, 255
RGB Percent	90%, 92%, 100%
CMY	0.0979, 0.0824, 0.0000
CMYK	0.10, 0.08, 0.00, 0.00
HSL	230°, 100%, 95%
HSV	230°, 10%, 100%
XYZ	80.1140, 82.8886, 106.3786
YIQ	235.1980, -9.1250, 5.6830

Conversions

Conversions Part 2

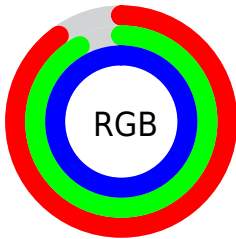
Format	Color
R _{YB}	230, 233, 255
Decimal	15133439
CIE Lab	92.97, 2.63, -10.58
CIE LCh	93, 10.905, 283.956
Yxy	82.8886, 0.2974, 0.3077
Android (android.graphics.Color)	4293323519 (0xFFE6E AFF)
YUV	235.1980, 9.7624, -4.5586
Hunter-Lab	91.0432, -2.2534, -5.5467

Details

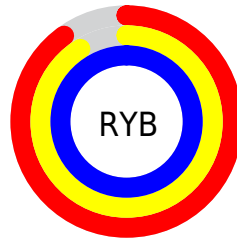
The Yxy color **82.8886, 0.2974, 0.3077** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **95.9932, 0.3278, 0.3494**, and the grayscale version is **83.1718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.9167, 0.2938, 0.3029** is the 20% darker color. If you saturate the color by 10%, you get **67.4897, 0.2801, 0.2831**, and if you desaturate by 10%, it is **99.9997, 0.3127, 0.3290**.

Distribution



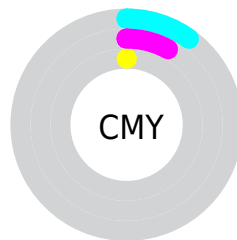
- Red (90%)
- Green (92%)
- Blue (100%)



- Red (90%)
- Yellow (91%)
- Blue (100%)



- Cyan (10%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.8886, 0.2974, 0.3077 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 82.8886, 0.2974, 0.3077 by changing the saturation by 10% instead.

82.8886, 0.2974,
0.3077

82.8886, 0.2974,
0.3077

504.6152, 0.3043,
0.3173

62.0983, 0.2959,
0.3056

137.4194, 0.2998,
0.3110

45.1121, 0.2940,
0.3030

171.9287, 0.3007,
0.3122

31.5457, 0.2916,
0.2998

211.7797, 0.3015,
0.3134

21.0148, 0.2886,
0.2957

257.3569, 0.3022,
0.3143

13.1348, 0.2845,
0.2902

309.0447, 0.3028,
0.3152

7.5214, 0.2788,
0.2826

367.2274, 0.3034,

3.7903, 0.2703,

0.3160

0.2714

432.2894, 0.3039,
0.3166

■ 1.5570, 0.2562,
0.2532

■ 0.3283, 0.2081,
0.1816

■ 82.8886, 0.2974,
0.3077

■ 82.8886, 0.2974,
0.3077

■ 67.4897, 0.2801,
0.2831

99.9997, 0.3127,
0.3290

■ 54.1047, 0.2614,
0.2558

■ 42.6528, 0.2416,
0.2261

■ 33.0436, 0.2215,
0.1948

■ 25.1794, 0.2020,
0.1634

■ 18.9533, 0.1844,
0.1335

■ 14.2461, 0.1699,
0.1071

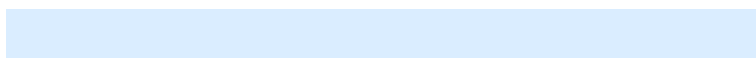
■ 10.9216, 0.1595,
0.0861

■ 8.8005, 0.1533,
0.0716

Harmonies

Analogous

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



82.8886, 0.2901, 0.3112



82.8886, 0.2974, 0.3077



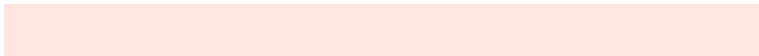
82.8886, 0.3089, 0.3098

Triad

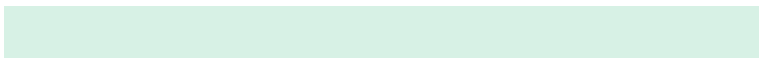
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.8886, 0.2974, 0.3077



82.8886, 0.3373, 0.3377



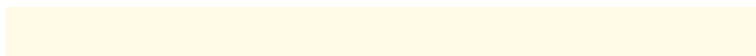
82.8886, 0.3036, 0.3418

Complementary

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



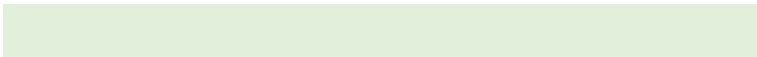
82.8886, 0.2974, 0.3077



95.9932, 0.3278, 0.3494

Split Complementary

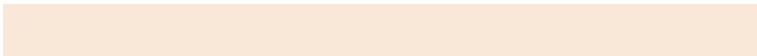
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.8886, 0.3162, 0.3493



82.8886, 0.2974, 0.3077



82.8886, 0.3358, 0.3466

Square

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



82.8886, 0.2974, 0.3077



82.8886, 0.3321, 0.3268



82.8886, 0.3280, 0.3509



82.8886, 0.2936, 0.3308

Rectangle

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



82.8886, 0.2974, 0.3077



82.8886, 0.3174, 0.3139



82.8886, 0.3280, 0.3509



82.8886, 0.3077, 0.3448

Sweetspot

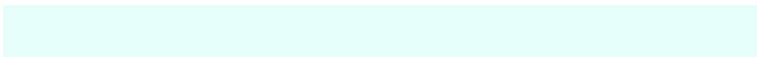
The Sweet Spot groups the original color and five complimentary colors.



82.8921, 0.2974, 0.3077



94.5391, 0.3082, 0.3228



95.3008, 0.2999, 0.3331



19.9299, 0.3070, 0.3210



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.



82.8921, 0.2974, 0.3077



79.3085, 0.2937, 0.3025



82.0745, 0.3028, 0.3040



17.8426, 0.2979, 0.3084



4.7172, 0.1537, 0.0732



0.5867, 0.1585, 0.0904

Inverse Universe

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



83.8149, 0.3274, 0.3251



80.4577, 0.3312, 0.3242



96.9474, 0.3220, 0.3536



18.0340, 0.3269, 0.3253



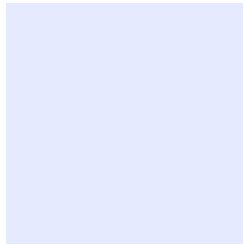
11.2042, 0.6180, 0.3178



1.1038, 0.5905, 0.3027

Previews

White Background



This preview shows how the Yxy color 82.8886, 0.2974, 0.3077 looks on a white background.

Color Contrast Check

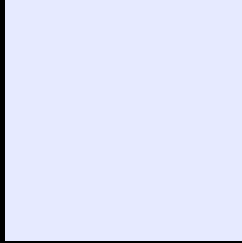
Large Text (above 18pt) WCAG AA × Fail

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 82.8886, 0.2974, 0.3077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

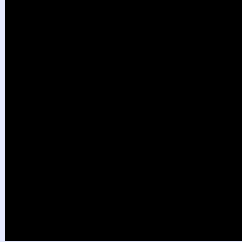
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.8886, 0.2974, 0.3077

Background



This preview shows how black text looks on a background with the Yxy color 82.8886, 0.2974, 0.3077.



This preview shows how white text looks on a background with the Yxy color 82.8886, 0.2974, 0.3077.

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

82.8886, 0.2974, 0.3077

Protanopia

82.7572, 0.2999, 0.3078

Deuteranopia

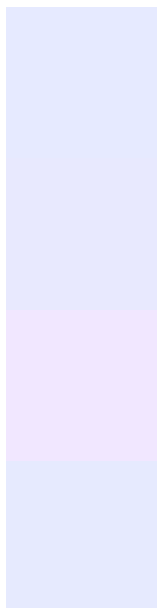
83.0328, 0.3085, 0.3034



Tritanopia

82.7605, 0.2985, 0.3097

Trichromacy



Original Color

82.8886, 0.2974, 0.3077

Protanomaly

82.5894, 0.2992, 0.3077

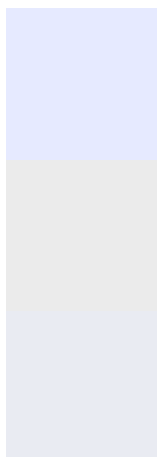
Deuteranomaly

83.0726, 0.3045, 0.3051

Tritanomaly

82.8244, 0.2980, 0.3087

Monochromacy



Original Color

82.8886, 0.2974, 0.3077

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.1511, 0.3071, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8886, 0.2974, 0.3077 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(230, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 234, 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(230, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 234, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.8886, 0.2974, 0.3077 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(230, 234, 255) }
```

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

```
.border{ border-color:rgb(230, 234, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 234,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8886, 0.2974, 0.3077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 234, 255) }
```

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

```
.background{ background-color: rgb(230,  
234, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor