

Converting Colors

$Y_{xy}(86.0290, 0.2873, 0.2950)$

Have a look what the booklet for
Yxy(86.0290, 0.2873, 0.2950)
contains.

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Color

Yxy(85.0271, 0.2968, 0.3118)

Conversions

Conversions Part 1

Format	Color
Hex	E5EEFF
RGB	229, 238, 255
RGB Percent	90%, 93%, 100%
CMY	0.1019, 0.0666, 0.0001
CMYK	0.10, 0.07, 0.00, 0.00
HSL	219°, 100%, 95%
HSV	219°, 10%, 100%
XYZ	80.9366, 85.0271, 106.7338
YIQ	237.2470, -10.8210, 3.3790

Conversions

Conversions Part 2

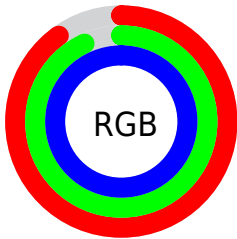
Format	Color
R _Y B	229, 236, 255
Decimal	15068927
CIE Lab	93.89, 0.24, -9.20
CIE LCh	94, 9.205, 271.470
Yxy	85.0271, 0.2968, 0.3118
Android (android.graphics.Color)	4293259007 (0xFFE5EEFF)
YUV	237.2470, 8.7522, -7.2326
Hunter-Lab	92.2101, -4.6909, -4.0815

Details

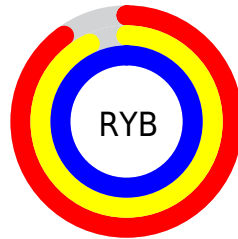
The Yxy color 85.0271, 0.2968, 0.3118 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 92.8148, 0.3289, 0.3456, and the grayscale version is 84.8283, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 46.4174, 0.2931, 0.3082 is the 20% darker color. If you saturate the color by 10%, you get 71.8798, 0.2801, 0.2928, and if you desaturate by 10%, it is 99.6958, 0.3124, 0.3287.

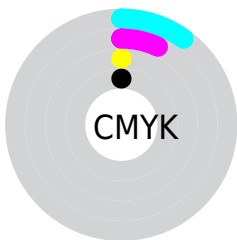
Distribution



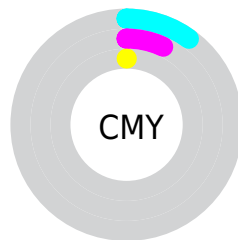
- Red (90%)
- Green (93%)
- Blue (100%)



- Red (90%)
- Yellow (93%)
- Blue (100%)



- Cyan (10%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.0271, 0.2968, 0.3118 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 85.0271, 0.2968, 0.3118 by changing the saturation by 10% instead.

85.0271, 0.2968,
0.3118

85.0271, 0.2968,
0.3118

511.7177, 0.3039,
0.3195

63.8638, 0.2952,
0.3101

140.4110, 0.2992,
0.3144

46.5403, 0.2933,
0.3080

175.4004, 0.3002,
0.3155

32.6724, 0.2909,
0.3054

215.7673, 0.3010,
0.3164

21.8756, 0.2878,
0.3021

261.8961, 0.3018,
0.3172

13.7655, 0.2837,
0.2976

314.1711, 0.3024,
0.3179

7.9578, 0.2780,
0.2915

372.9768, 0.3030,

4.0679, 0.2695,

0.3185

0.2824

438.6975, 0.3035,
0.3190

■ 1.7116, 0.2557,
0.2675

■ 0.4312, 0.2112,
0.2192

■ 85.0271, 0.2968,
0.3118

■ 85.0271, 0.2968,
0.3118

■ 71.8798, 0.2801,
0.2928

99.6958, 0.3124,
0.3287

■ 60.1924, 0.2626,
0.2718

99.9986, 0.3127,
0.3290

■ 49.9142, 0.2446,
0.2488

■ 40.9877, 0.2267,
0.2243

■ 33.3510, 0.2096,
0.1989

■ 26.9365, 0.1940,
0.1735

■ 21.6692, 0.1808,
0.1491

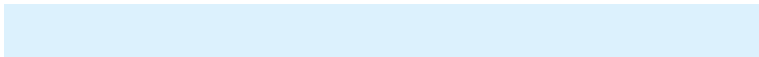
■ 17.4639, 0.1705,
0.1269

■ 14.2510, 0.1633,
0.1079

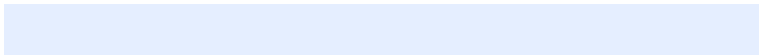
Harmonies

Analogous

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



85.0271, 0.2926, 0.3166



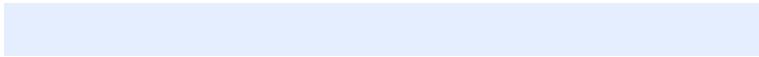
85.0271, 0.2968, 0.3118



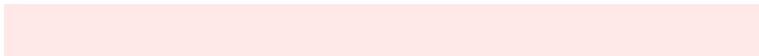
85.0271, 0.3052, 0.3116

Triad

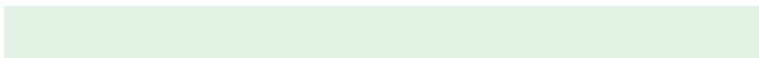
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.0271, 0.2968, 0.3118



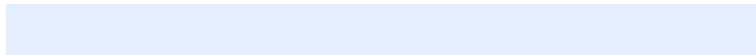
85.0271, 0.3321, 0.3326



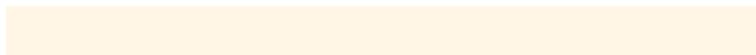
85.0271, 0.3094, 0.3428

Complementary

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



85.0271, 0.2968, 0.3118



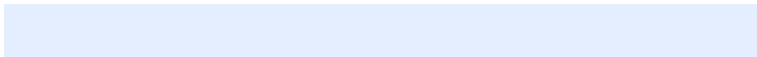
92.8148, 0.3289, 0.3456

Split Complementary

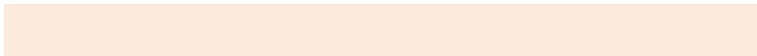
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.0271, 0.3200, 0.3471



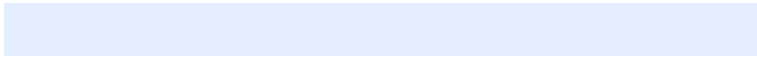
85.0271, 0.2968, 0.3118



85.0271, 0.3332, 0.3410

Square

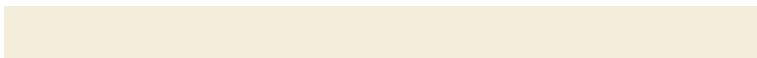
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.0271, 0.2968, 0.3118



85.0271, 0.3257, 0.3234



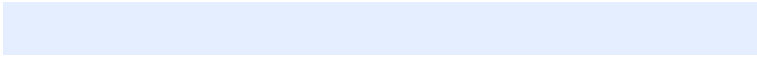
85.0271, 0.3288, 0.3464



85.0271, 0.2998, 0.3346

Rectangle

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



85.0271, 0.2968, 0.3118



85.0271, 0.3122, 0.3140



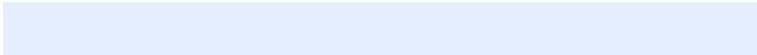
85.0271, 0.3288, 0.3464



85.0271, 0.3129, 0.3447

Sweetspot

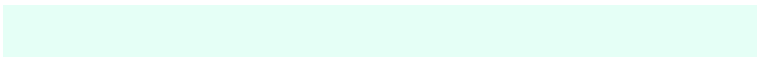
The Sweet Spot groups the original color and five complimentary colors.



85.0307, 0.2968, 0.3118



95.4290, 0.3082, 0.3242



94.8127, 0.3020, 0.3381



20.1693, 0.3069, 0.3228



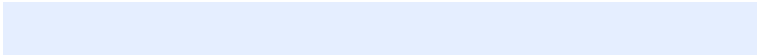
0.0000, 0.0000, 0.0000



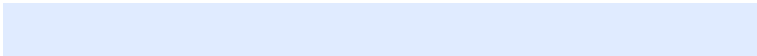
21.4041, 0.3127, 0.3290

Same Dimension

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



85.0307, 0.2968, 0.3118



82.5477, 0.2938, 0.3085



80.5710, 0.2992, 0.3027



18.4066, 0.2979, 0.3130



7.6980, 0.1642, 0.1109



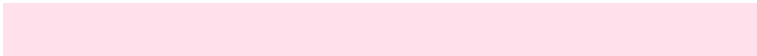
0.9443, 0.1704, 0.1333

Inverse Universe

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



83.4738, 0.3248, 0.3202



80.7847, 0.3273, 0.3186



97.6883, 0.3254, 0.3544



18.0910, 0.3240, 0.3208



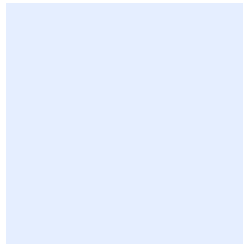
11.5051, 0.5597, 0.2857



1.1399, 0.5281, 0.2683

Previews

White Background



This preview shows how the Yxy color 85.0271, 0.2968, 0.3118 looks on a white background.

Color Contrast Check

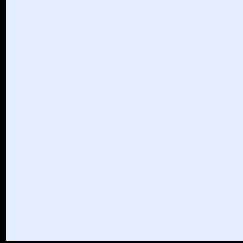
Large Text (above 18pt) WCAG AA × Fail

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 85.0271, 0.2968, 0.3118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

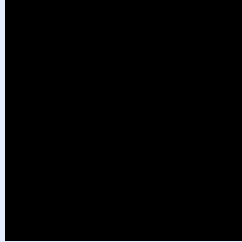
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

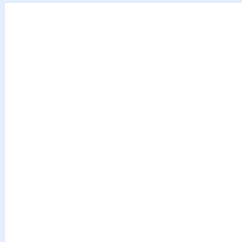
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.0271, 0.2968, 0.3118

Background



This preview shows how black text looks on a background with the Yxy color 85.0271, 0.2968, 0.3118.



This preview shows how white text looks on a background with the Yxy color 85.0271, 0.2968, 0.3118.

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

85.0271, 0.2968, 0.3118

Protanopia

85.1512, 0.3024, 0.3110

Deuteranopia

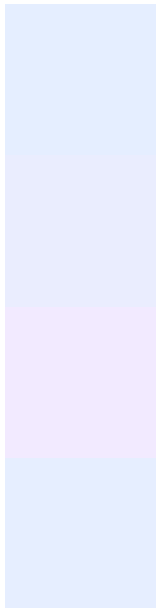
84.6958, 0.3105, 0.3056



Tritanopia

85.1921, 0.2974, 0.3118

Trichromacy



Original Color

85.0271, 0.2968, 0.3118

Protanomaly

85.2166, 0.3005, 0.3119

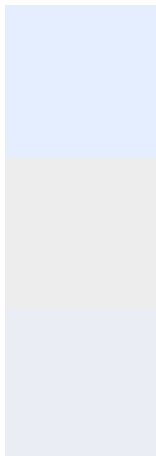
Deuteranomaly

84.9429, 0.3051, 0.3082

Tritanomaly

85.1921, 0.2974, 0.3118

Monochromacy



Original Color

85.0271, 0.2968, 0.3118

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.5925, 0.3065, 0.3219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.0271, 0.2968, 0.3118 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(229, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 238, 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(229, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 85.0271, 0.2968, 0.3118 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(229, 238, 255) }
```

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

```
.border{ border-color:rgb(229, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 85.0271, 0.2968, 0.3118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 238, 255) }
```

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

```
.background{ background-color: rgb(229,  
238, 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](#).

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