

# Converting Colors

Yxy(86.8016, 0.3013, 0.3279)

Have a look what the booklet for  
Yxy(86.8016, 0.3013, 0.3279)  
contains.

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# Color

**Yxy(86.8016, 0.3013, 0.3279)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2F3F4
RGB	226, 243, 244
RGB Percent	89%, 95%, 96%
CMY	0.1135, 0.0471, 0.0430
CMYK	0.07, 0.00, 0.00, 0.04
HSL	183°, 45%, 92%
HSV	183°, 7%, 96%
XYZ	79.7601, 86.8016, 98.1581
YIQ	238.0310, -10.4530, -3.2930

# Conversions

## Conversions Part 2

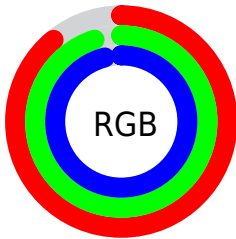
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 235, 244
Decimal	14873588
CIE Lab	94.65, -5.34, -2.42
CIE LCh	95, 5.867, 204.383
Yxy	86.8016, 0.3013, 0.3279
Android (android.graphics.Color)	4293063668 (0xFFE2F3F4)
YUV	238.0310, 2.9427, -10.5512
Hunter-Lab	93.1674, -10.2301, 2.7512

# Details

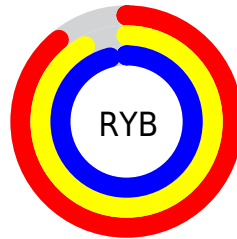
The Yxy color **86.8016, 0.3013, 0.3279** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.7237, 0.3252, 0.3301**, and the grayscale version is **85.5182, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.8294, 0.2990, 0.3276** is the 20% darker color. If you saturate the color by 10%, you get **82.2945, 0.2864, 0.3263**, and if you desaturate by 10%, it is **91.8840, 0.3169, 0.3294**.

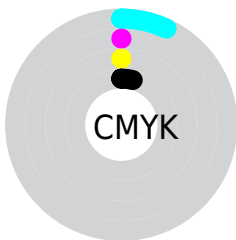
# Distribution



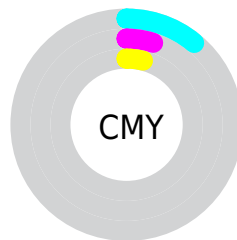
- Red (89%)
- Green (95%)
- Blue (96%)



- Red (89%)
- Yellow (92%)
- Blue (96%)



- Cyan (7%)
- Magenta (0%)
- Yellow (0%)
- Black (4%)




- Cyan (11%)
- Magenta (5%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.8016, 0.3013, 0.3279 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 86.8016, 0.3013, 0.3279 by changing the saturation by 10% instead.




 86.8016, 0.3013,  
0.3279

 86.8016, 0.3013,  
0.3279

517.5707, 0.3064,  
0.3284

 65.3310, 0.3002,  
0.3278

142.8876, 0.3030,  
0.3281

 47.7296, 0.2988,  
0.3276

178.2718, 0.3037,  
0.3282

 33.6128, 0.2971,  
0.3274


219.0626, 0.3043,  
0.3282

 22.5963, 0.2949,  
0.3272

265.6445, 0.3048,  
0.3283

 14.2957, 0.2920,  
0.3268

318.4019, 0.3053,  
0.3283

 8.3266, 0.2879,  
0.3263

377.7191, 0.3057,

 4.3046, 0.2820,

0.3284

443.9806, 0.3061,  
0.3284

0.3255

1.8454, 0.2722,  
0.3241

0.5152, 0.2239,  
0.3210

86.8016, 0.3013,  
0.3279

86.8016, 0.3013,  
0.3279

82.2945, 0.2864,  
0.3263

91.8840, 0.3169,  
0.3294

78.3281, 0.2724,  
0.3246


93.5887, 0.3197,  
0.3307


74.8808, 0.2596,  
0.3228


94.4493, 0.3196,  
0.3321

71.9253, 0.2484,  
0.3209


95.3165, 0.3195,  
0.3335

 69.4318, 0.2389,  
0.3189


 96.1902, 0.3194,  
0.3348

 67.3670, 0.2314,  
0.3169

 97.0705, 0.3193,  
0.3362


 65.6936, 0.2258,  
0.3149

 97.9573, 0.3192,  
0.3375

 64.3673, 0.2220,  
0.3130

 98.8507, 0.3191,  
0.3388

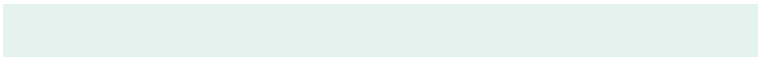
 63.3302, 0.2200,  
0.3111

 99.3132, 0.3191,  
0.3395

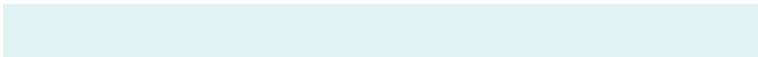
# Harmonies

## Analogous

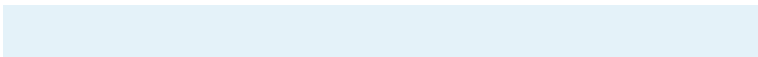
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8016, 0.3058, 0.3339



86.8016, 0.3013, 0.3279



86.8016, 0.2998, 0.3223

# Triad

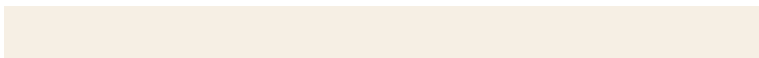
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.8016, 0.3013, 0.3279



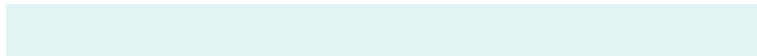
86.8016, 0.3131, 0.3197



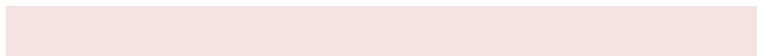
86.8016, 0.3238, 0.3395

# Complementary

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



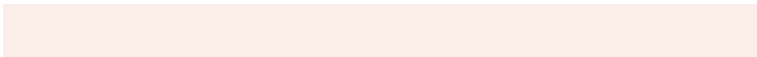
86.8016, 0.3013, 0.3279



79.7237, 0.3252, 0.3301

# Split Complementary

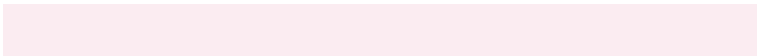
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.8016, 0.3258, 0.3355



86.8016, 0.3013, 0.3279



86.8016, 0.3196, 0.3242

# Square

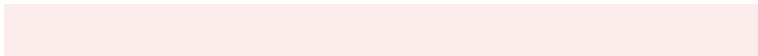
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.8016, 0.3013, 0.3279



86.8016, 0.3066, 0.3177



86.8016, 0.3243, 0.3300



86.8016, 0.3188, 0.3406

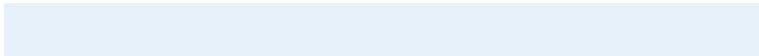


# Rectangle

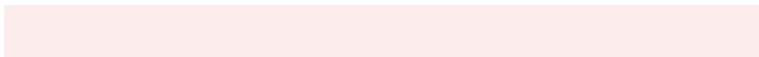
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



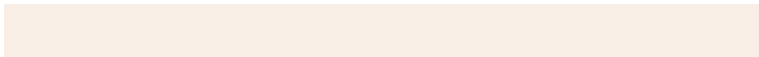
86.8016, 0.3013, 0.3279



86.8016, 0.3007, 0.3195



86.8016, 0.3243, 0.3300



86.8016, 0.3249, 0.3384

# Sweetspot

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



86.8053, 0.3013, 0.3279



98.8575, 0.3096, 0.3287



86.4392, 0.3113, 0.3468



21.1716, 0.3097, 0.3287



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

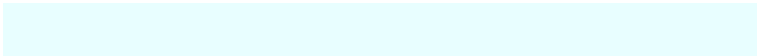


# Same Dimension

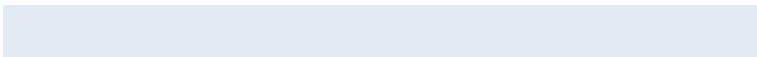
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8053, 0.3013, 0.3279



95.0605, 0.2988, 0.3276



81.6394, 0.3013, 0.3188



18.5840, 0.2981, 0.3276



34.3628, 0.2197, 0.3109



3.0692, 0.2204, 0.3133



# Inverse Universe

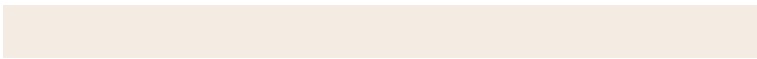
The Inverse Universe completely reimagines the original color for something new.



80.1330, 0.3142, 0.3120



86.1362, 0.3146, 0.3081



84.6890, 0.3244, 0.3390



16.7508, 0.3147, 0.3070



13.5683, 0.3360, 0.1624

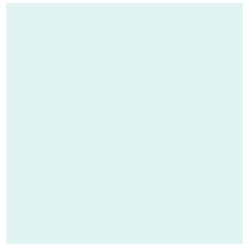


1.1975, 0.3339, 0.1613



# Previews

## White Background



This preview shows how the Yxy color 86.8016, 0.3013, 0.3279 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

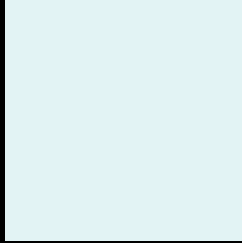
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.8016, 0.3013, 0.3279 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

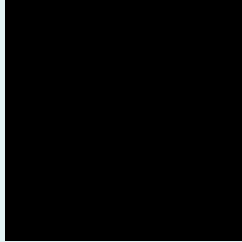
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

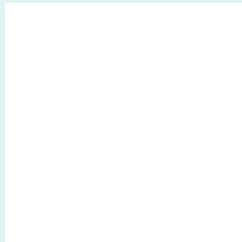
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.8016, 0.3013, 0.3279**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.8016, 0.3013, 0.3279.

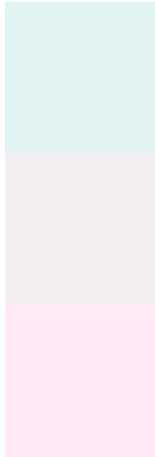


This preview shows how white text looks on a background with the Yxy color 86.8016, 0.3013, 0.3279.

# 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

86.8016, 0.3013, 0.3279

### Protanopia

86.5546, 0.3142, 0.3260

### Deuteranopia

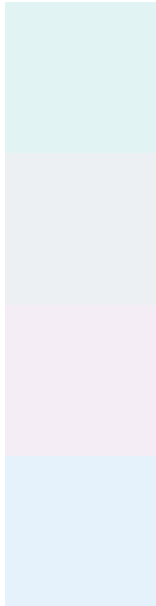
86.6982, 0.3199, 0.3183



## Tritanopia

86.5291, 0.2981, 0.3139

# Trichromacy



## Original Color

86.8016, 0.3013, 0.3279

## Protanomaly

86.7355, 0.3095, 0.3270

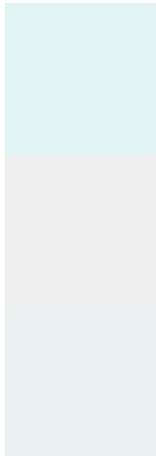
## Deuteranomaly

86.3940, 0.3124, 0.3210

## Tritanomaly

86.5336, 0.2991, 0.3188

# Monochromacy



## Original Color

86.8016, 0.3013, 0.3279

## Achromatopsia

85.4993, 0.3127, 0.3290

## Achromatomaly

86.1039, 0.3088, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.8016, 0.3013, 0.3279 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, 243, 244)` looks like.

```
.text, #text, p{  
    color:rgb(226, 243, 244)  
}
```

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, 243, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 243, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 86.8016, 0.3013, 0.3279 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, 243, 244) }
```

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

```
.border{ border-color:rgb(226, 243, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 243, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 243, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 243, 244);  
box-shadow:4px 4px 4px 4px rgb(226, 243,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.8016, 0.3013, 0.3279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 243, 244) }
```

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

```
.background{ background-color: rgb(226,  
243, 244) }
```

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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