

# Converting Colors

$Y_{xy}(87.6038, 0.3010, 0.3290)$

Have a look what the booklet for  
Yxy(87.6038, 0.3010, 0.3290)  
contains.

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# Color

**Yxy(87.4018, 0.3013, 0.3290)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E2F4F4
RGB	226, 244, 244
RGB Percent	89%, 96%, 96%
CMY	0.1137, 0.0431, 0.0433
CMYK	0.07, 0.00, 0.00, 0.04
HSL	180°, 45%, 92%
HSV	180°, 7%, 96%
XYZ	80.0430, 87.4018, 98.2141
YIQ	238.6180, -10.7280, -3.8160

# Conversions

## Conversions Part 2

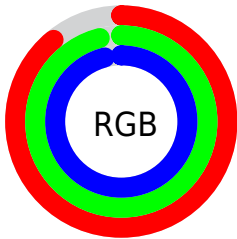
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 235, 244
Decimal	14873844
CIE Lab	94.91, -5.88, -2.02
CIE LCh	95, 6.221, 198.951
Yxy	87.4018, 0.3013, 0.3290
Android (android.graphics.Color)	4293063924 (0xFFE2F4F4)
YUV	238.6180, 2.6533, -11.0660
Hunter-Lab	93.4889, -10.7781, 3.1556

# Details

The Yxy color **87.4018, 0.3013, 0.3290** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.1287, 0.3253, 0.3290**, and the grayscale version is **85.9921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.2552, 0.2990, 0.3290** is the 20% darker color. If you saturate the color by 10%, you get **83.7342, 0.2865, 0.3290**, and if you desaturate by 10%, it is **91.6381, 0.3169, 0.3290**.

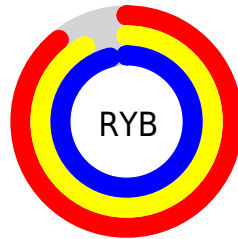
# Distribution



Red (89%)

Green (96%)

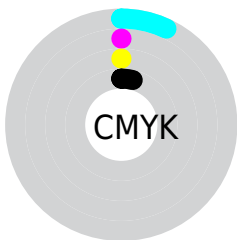
Blue (96%)



Red (89%)

Yellow (92%)

Blue (96%)

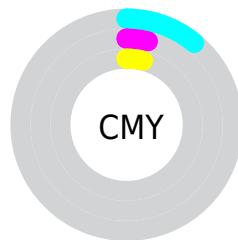


Cyan (7%)

Magenta (0%)

Yellow (0%)

Black (4%)



Cyan (11%)

Magenta (4%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.4018, 0.3013, 0.3290 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 87.4018, 0.3013, 0.3290 by changing the saturation by 10% instead.




 87.4018, 0.3013,  
0.3290

 87.4018, 0.3013,  
0.3290


519.5423, 0.3064,  
0.3290

 65.8278, 0.3002,  
0.3290


143.7240, 0.3030,  
0.3290

 48.1326, 0.2988,  
0.3290


179.2411, 0.3037,  
0.3290

 33.9319, 0.2971,  
0.3289

220.1745, 0.3043,  
0.3290

 22.8413, 0.2949,  
0.3289

266.9088, 0.3048,  
0.3290

 14.4764, 0.2920,  
0.3289

319.8283, 0.3053,  
0.3290

 8.4527, 0.2880,  
0.3288

379.3175, 0.3057,

 4.3860, 0.2821,

0.3290

0.3286

445.7607, 0.3061,  
0.3290

■ 1.8917, 0.2724,  
0.3281

■ 0.5434, 0.2261,  
0.3295

■ 87.4018, 0.3013,  
0.3290

■ 87.4018, 0.3013,  
0.3290

■ 83.7342, 0.2865,  
0.3290

■ 91.6381, 0.3169,  
0.3290

■ 80.6008, 0.2729,  
0.3290

■ 92.5001, 0.3198,  
0.3290

■ 77.9797, 0.2606,  
0.3291

■ 92.5030, 0.3198,  
0.3289

■ 75.8440, 0.2500,  
0.3291

■ 92.5060, 0.3198,  
0.3289

74.1636, 0.2412,  
0.3291

92.5089, 0.3197,  
0.3288

72.9055, 0.2344,  
0.3292

92.5118, 0.3197,  
0.3288

72.0322, 0.2295,  
0.3292

92.5147, 0.3197,  
0.3287

71.4994, 0.2265,  
0.3293

92.5176, 0.3197,  
0.3287

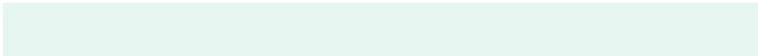
71.2495, 0.2251,  
0.3293

92.5205, 0.3196,  
0.3286

# Harmonies

## Analogous

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



87.4018, 0.3066, 0.3352



87.4018, 0.3013, 0.3290



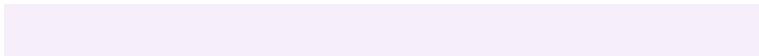
87.4018, 0.2991, 0.3229

# Triad

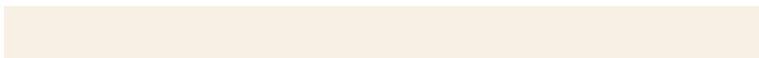
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.4018, 0.3013, 0.3290



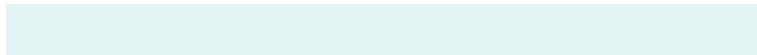
87.4018, 0.3118, 0.3186



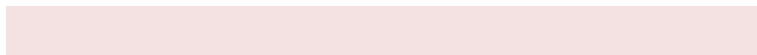
87.4018, 0.3251, 0.3395

# Complementary

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



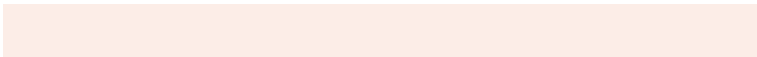
87.4018, 0.3013, 0.3290



79.1287, 0.3253, 0.3290

# Split Complementary

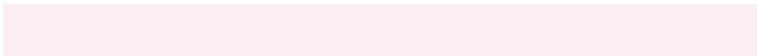
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.4018, 0.3266, 0.3349



87.4018, 0.3013, 0.3290



87.4018, 0.3188, 0.3229

# Square

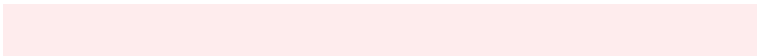
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.4018, 0.3013, 0.3290



87.4018, 0.3051, 0.3170



87.4018, 0.3243, 0.3289

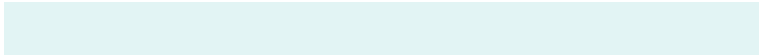


87.4018, 0.3203, 0.3413

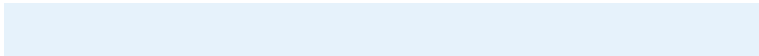


# Rectangle

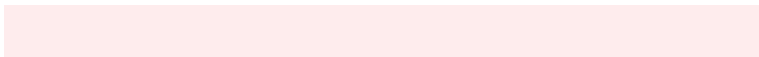
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



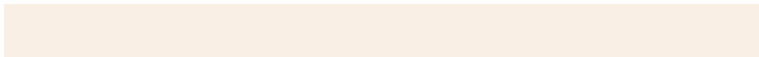
87.4018, 0.3013, 0.3290



87.4018, 0.2996, 0.3197



87.4018, 0.3243, 0.3289



87.4018, 0.3260, 0.3382

# Sweetspot

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



87.4055, 0.3013, 0.3290



99.0449, 0.3096, 0.3290



86.4160, 0.3120, 0.3477



21.2097, 0.3097, 0.3290



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

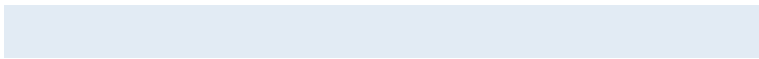
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.4055, 0.3013, 0.3290



95.9013, 0.2988, 0.3290



82.2975, 0.3013, 0.3200



18.7573, 0.2981, 0.3290



38.7171, 0.2248, 0.3293



3.4030, 0.2248, 0.3293

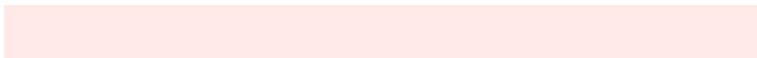


# Inverse Universe

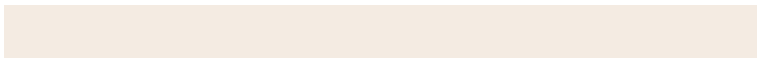
The Inverse Universe completely reimagines the original color for something new.



79.1287, 0.3253, 0.3290



84.8330, 0.3284, 0.3290



83.9767, 0.3245, 0.3379



16.4831, 0.3294, 0.3290



10.4587, 0.6399, 0.3299

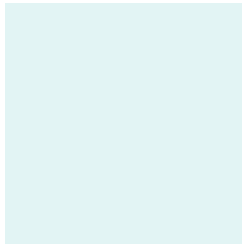


0.9194, 0.6393, 0.3296



# Previews

## White Background



This preview shows how the Yxy color 87.4018, 0.3013, 0.3290 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

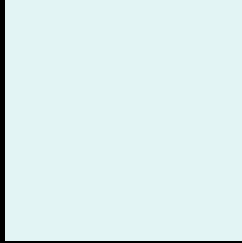
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.4018, 0.3013, 0.3290 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

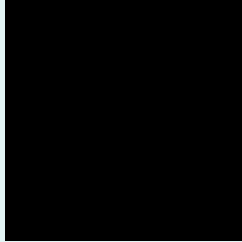
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

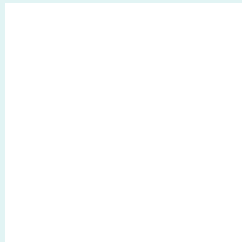
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 87.4018, 0.3013, 0.3290**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.4018, 0.3013, 0.3290.

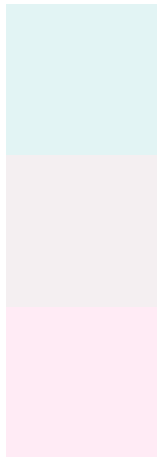


This preview shows how white text looks on a background with the Yxy color 87.4018, 0.3013, 0.3290.

# 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

87.4018, 0.3013, 0.3290

### Protanopia

87.3170, 0.3148, 0.3270

### Deuteranopia

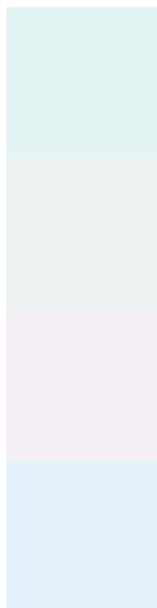
87.2692, 0.3199, 0.3193



## Tritanopia

87.2864, 0.2987, 0.3149

# Trichromacy



## Original Color

87.4018, 0.3013, 0.3290

## Protanomaly

87.3259, 0.3095, 0.3280

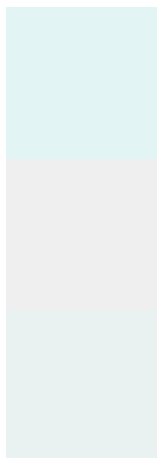
## Deuteranomaly

86.9747, 0.3124, 0.3220

## Tritanomaly

87.2923, 0.2997, 0.3199

# Monochromacy



## Original Color

87.4018, 0.3013, 0.3290

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

86.7539, 0.3082, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.4018, 0.3013, 0.3290 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, 244, 244)` looks like.

```
.text, #text, p{  
    color:rgb(226, 244, 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, 244, 244) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to Yxy 87.4018, 0.3013, 0.3290 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, 244, 244) }
```

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

```
.border{ border-color:rgb(226, 244, 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, 244, 244)` colored shadow looks like.

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



# Background

The CSS property to change the background color of an element to Yxy 87.4018, 0.3013, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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