

# Converting Colors

$Y_{xy}(87.0032, 0.3006, 0.3250)$

Have a look what the booklet for  
Yxy(87.0032, 0.3006, 0.3250)  
contains.

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# Color

**Yxy(87.1475, 0.3002, 0.3249)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3F3F7
RGB	227, 243, 247
RGB Percent	89%, 95%, 97%
CMY	0.1097, 0.0471, 0.0314
CMYK	0.08, 0.02, 0.00, 0.03
HSL	192°, 55%, 93%
HSV	192°, 8%, 97%
XYZ	80.5223, 87.1475, 100.5589
YIQ	238.6720, -10.8200, -2.1480

# Conversions

## Conversions Part 2

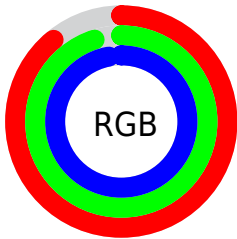
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	227, 236, 247
Decimal	14939127
CIE <sub>Lab</sub>	94.80, -4.48, -3.73
CIE <sub>LCh</sub>	95, 5.830, 219.798
Yxy	87.1475, 0.3002, 0.3249
Android (android.graphics.Color)	4293129207 (0xFFE3F3F7)
YUV	238.6720, 4.1057, -10.2363
Hunter-Lab	93.3528, -9.4008, 1.4803

# Details

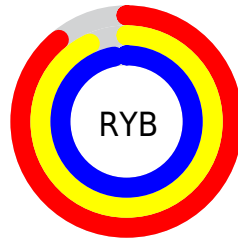
The Yxy color **87.1475, 0.3002, 0.3249** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.4797, 0.3263, 0.3331**, and the grayscale version is **86.0271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.0729, 0.2976, 0.3237** is the 20% darker color. If you saturate the color by 10%, you get **80.5054, 0.2850, 0.3194**, and if you desaturate by 10%, it is **94.4524, 0.3157, 0.3299**.

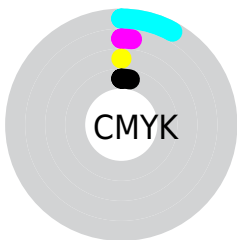
# Distribution



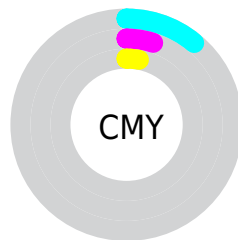
- Red (89%)
- Green (95%)
- Blue (97%)



- Red (89%)
- Yellow (93%)
- Blue (97%)



- Cyan (8%)
- Magenta (2%)
- Yellow (0%)
- Black (3%)




- Cyan (11%)
- Magenta (5%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.1475, 0.3002, 0.3249 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 87.1475, 0.3002, 0.3249 by changing the saturation by 10% instead.



 87.1475, 0.3002,  
0.3249

 87.1475, 0.3002,  
0.3249

518.7074, 0.3058,  
0.3268

 65.6173, 0.2990,  
0.3245

143.3697, 0.3021,  
0.3255

 47.9618, 0.2975,  
0.3240


178.8305, 0.3029,  
0.3258

 33.7966, 0.2956,  
0.3233


219.7036, 0.3035,  
0.3260

 22.7374, 0.2932,  
0.3225

266.3734, 0.3041,  
0.3262

 14.3997, 0.2900,  
0.3214

319.2242, 0.3046,  
0.3264

 8.3992, 0.2857,  
0.3198

378.6406, 0.3050,

 4.3514, 0.2792,

0.3265

0.3173

445.0069, 0.3054,  
0.3267

■ 1.8720, 0.2686,  
0.3132

■ 0.5315, 0.2240,  
0.3008

■ 87.1475, 0.3002,  
0.3249

■ 87.1475, 0.3002,  
0.3249

■ 80.5054, 0.2850,  
0.3194

■ 94.4524, 0.3157,  
0.3299

■ 74.4900, 0.2702,  
0.3134

■ 98.1395, 0.3175,  
0.3346

■ 69.0783, 0.2564,  
0.3069

■ 99.4944, 0.3174,  
0.3367

■ 64.2413, 0.2438,  
0.3001

■ 59.9475, 0.2327,  
0.2930

■ 56.1618, 0.2233,  
0.2857

■ 52.8446, 0.2159,  
0.2783

■ 49.9489, 0.2104,  
0.2710

■ 47.4109, 0.2068,  
0.2637

# Harmonies

## Analogous

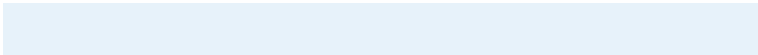
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1475, 0.3033, 0.3309



87.1475, 0.3002, 0.3249



87.1475, 0.3005, 0.3201

# Triad

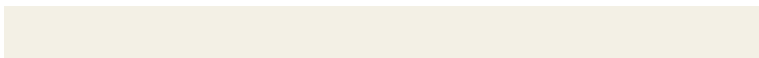
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1475, 0.3002, 0.3249



87.1475, 0.3165, 0.3218



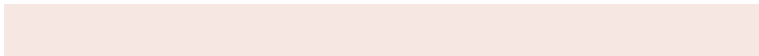
87.1475, 0.3215, 0.3404

# Complementary

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



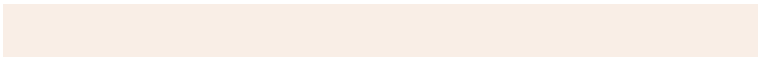
87.1475, 0.3002, 0.3249



82.4797, 0.3263, 0.3331

# Split Complementary

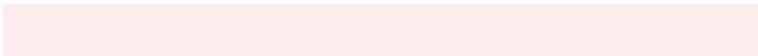
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.1475, 0.3251, 0.3378



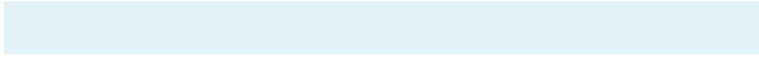
87.1475, 0.3002, 0.3249



87.1475, 0.3223, 0.3271

# Square

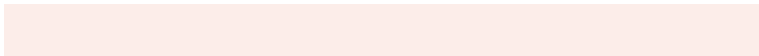
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.1475, 0.3002, 0.3249



87.1475, 0.3098, 0.3185



87.1475, 0.3254, 0.3329



87.1475, 0.3155, 0.3399

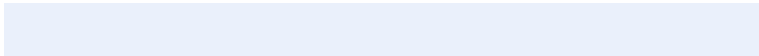


# Rectangle

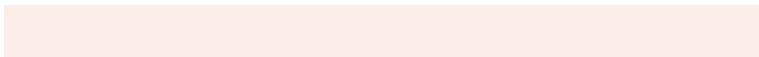
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.1475, 0.3002, 0.3249



87.1475, 0.3025, 0.3183



87.1475, 0.3254, 0.3329



87.1475, 0.3230, 0.3398

# Sweetspot

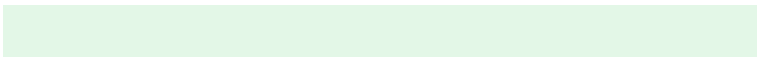
The Sweet Spot groups the original color and five complimentary colors.



87.1512, 0.3002, 0.3249



98.3974, 0.3096, 0.3280



88.5999, 0.3096, 0.3458



21.0779, 0.3098, 0.3281



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

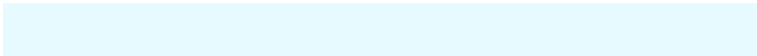


# Same Dimension

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



87.1512, 0.3002, 0.3249



92.2740, 0.2972, 0.3239



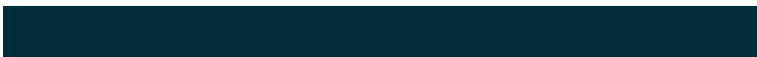
81.5262, 0.3002, 0.3149



18.1626, 0.2980, 0.3242



25.0381, 0.2066, 0.2636



2.3401, 0.2091, 0.2727



# Inverse Universe

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



81.1973, 0.3162, 0.3131



84.4720, 0.3171, 0.3092



88.0320, 0.3253, 0.3427



16.7082, 0.3169, 0.3103



12.6270, 0.3790, 0.1861

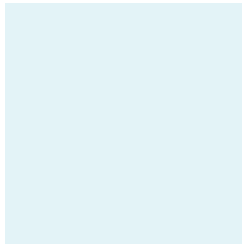


1.1239, 0.3703, 0.1813



# Previews

## White Background



This preview shows how the Yxy color 87.1475, 0.3002, 0.3249 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

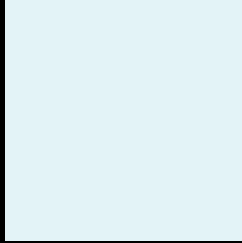
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.1475, 0.3002, 0.3249 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

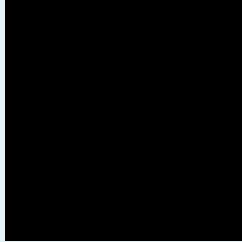
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

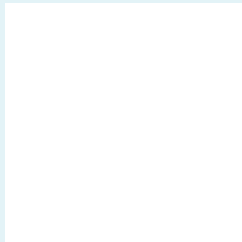
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 87.1475, 0.3002, 0.3249**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.1475, 0.3002, 0.3249.

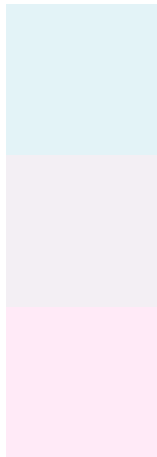


This preview shows how white text looks on a background with the Yxy color 87.1475, 0.3002, 0.3249.

# 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

87.1475, 0.3002, 0.3249

### Protanopia

87.3193, 0.3123, 0.3240

### Deuteranopia

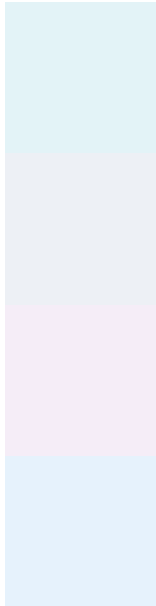
86.8210, 0.3187, 0.3164



## Tritanopia

87.2864, 0.2987, 0.3149

# Trichromacy



## Original Color

87.1475, 0.3002, 0.3249

## Protanomaly

86.9173, 0.3077, 0.3240

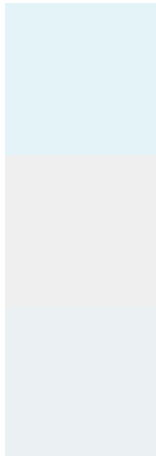
## Deuteranomaly

86.6963, 0.3119, 0.3191

## Tritanomaly

87.3555, 0.2992, 0.3189

# Monochromacy



## Original Color

87.1475, 0.3002, 0.3249

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

86.3931, 0.3082, 0.3270

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.1475, 0.3002, 0.3249 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(227, 243, 247)` looks like.

```
.text, #text, p{  
    color:rgb(227, 243, 247)  
}
```

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(227, 243, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 243, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 87.1475, 0.3002, 0.3249 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(227, 243, 247) }
```

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

```
.border{ border-color:rgb(227, 243, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 243, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 243, 247); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 243, 247); box-shadow:4px 4px 4px 4px rgb(227, 243, 247) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.1475, 0.3002, 0.3249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 243, 247) }
```

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

```
.background{ background-color: rgb(227,  
243, 247) }
```

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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