

# Converting Colors

Yxy(84.4288, 0.3067, 0.3240)

Have a look what the booklet for  
Yxy(84.4288, 0.3067, 0.3240)  
contains.

<b>Yxy(84.3028, 0.3070, 0.3239)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(84.3028, 0.3070, 0.3239)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9EDF2
RGB	233, 237, 242
RGB Percent	91%, 93%, 95%
CMY	0.0865, 0.0705, 0.0510
CMYK	0.04, 0.02, 0.00, 0.05
HSL	213°, 26%, 93%
HSV	213°, 4%, 95%
XYZ	79.9042, 84.3028, 96.0672
YIQ	236.3740, -3.9890, 0.7070

# Conversions

## Conversions Part 2

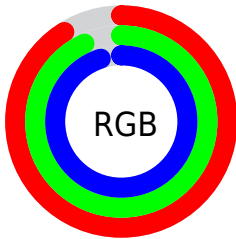
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	233, 236, 242
Decimal	15330802
CIE Lab	93.58, -0.44, -2.89
CIE LCh	94, 2.922, 261.364
Yxy	84.3028, 0.3070, 0.3239
Android (android.graphics.Color)	4293520882 (0xFFE9EDF2)
YUV	236.3740, 2.7736, -2.9590
Hunter-Lab	91.8166, -5.3378, 2.2368

# Details

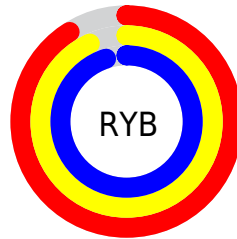
The Yxy color **84.3028, 0.3070, 0.3239** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.8721, 0.3185, 0.3340**, and the grayscale version is **84.1603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.9400, 0.3054, 0.3224** is the 20% darker color. If you saturate the color by 10%, you get **73.0748, 0.2912, 0.3091**, and if you desaturate by 10%, it is **96.2595, 0.3206, 0.3371**.

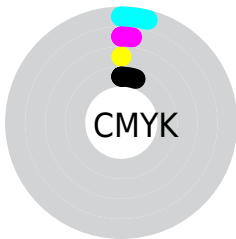
# Distribution



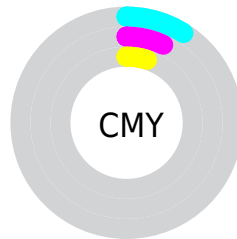
- Red (91%)
- Green (93%)
- Blue (95%)



- Red (91%)
- Yellow (93%)
- Blue (95%)



- Cyan (4%)
- Magenta (2%)
- Yellow (0%)
- Black (5%)



- Cyan (9%)
- Magenta (7%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.3028, 0.3070, 0.3239 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 84.3028, 0.3070, 0.3239 by changing the saturation by 10% instead.



84.3028, 0.3070,  
0.3239

84.3028, 0.3070,  
0.3239

509.3182, 0.3096,  
0.3262

63.2655, 0.3064,  
0.3234

139.3987, 0.3079,  
0.3247

46.0560, 0.3057,  
0.3228

174.2260, 0.3082,  
0.3250

32.2900, 0.3048,  
0.3220

214.4188, 0.3085,  
0.3253

21.5831, 0.3037,  
0.3210

260.3614, 0.3088,  
0.3255

13.5509, 0.3022,  
0.3196

312.4382, 0.3090,  
0.3257

7.8090, 0.3001,  
0.3177

371.0337, 0.3092,

3.9730, 0.2969,

0.3259

0.3148

436.5323, 0.3094,  
0.3261

■ 1.6584, 0.2917,  
0.3101

■ 0.3965, 0.2622,  
0.2840

■ 84.3028, 0.3070,  
0.3239

■ 84.3028, 0.3070,  
0.3239

■ 73.0748, 0.2912,  
0.3091

■ 96.2595, 0.3206,  
0.3371

■ 62.9406, 0.2747,  
0.2927

■ 99.1911, 0.3203,  
0.3415

■ 53.8668, 0.2578,  
0.2746

■ 45.8142, 0.2409,  
0.2550

■ 38.7408, 0.2246,  
0.2342

■ 32.6009, 0.2093,  
0.2127

■ 27.3447, 0.1958,  
0.1910

■ 22.9157, 0.1846,  
0.1698

■ 19.2480, 0.1760,  
0.1499

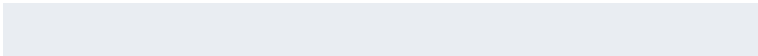
# Harmonies

## Analogous

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



84.3028, 0.3062, 0.3259



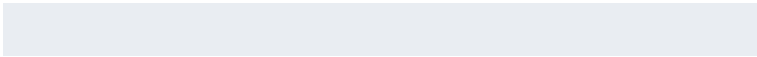
84.3028, 0.3070, 0.3239



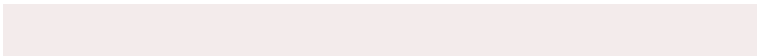
84.3028, 0.3093, 0.3233

# Triad

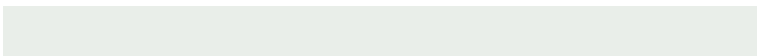
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.3028, 0.3070, 0.3239



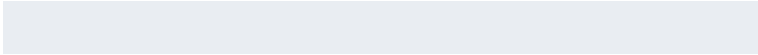
84.3028, 0.3183, 0.3292



84.3028, 0.3128, 0.3340

# Complementary

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



84.3028, 0.3070, 0.3239



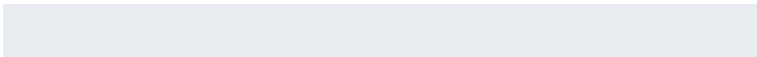
85.8721, 0.3185, 0.3340

# Split Complementary

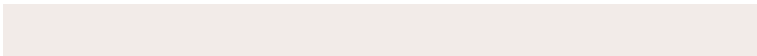
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.3028, 0.3161, 0.3348



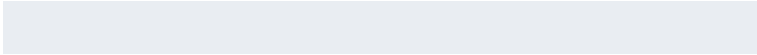
84.3028, 0.3070, 0.3239



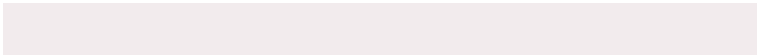
84.3028, 0.3193, 0.3321

# Square

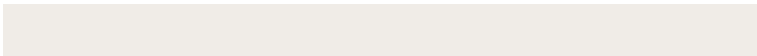
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



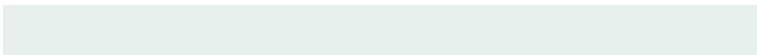
84.3028, 0.3070, 0.3239



84.3028, 0.3159, 0.3263



84.3028, 0.3185, 0.3341

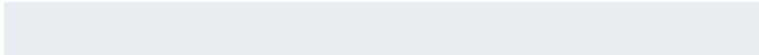


84.3028, 0.3096, 0.3317

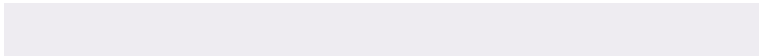


# Rectangle

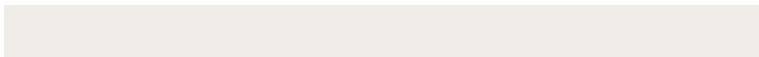
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.3028, 0.3070, 0.3239



84.3028, 0.3114, 0.3237



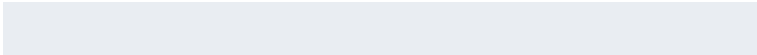
84.3028, 0.3185, 0.3341



84.3028, 0.3140, 0.3344

# Sweetspot

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



84.3064, 0.3070, 0.3239



98.6267, 0.3112, 0.3277



86.9917, 0.3093, 0.3331



21.1247, 0.3113, 0.3277



0.0000, 0.0000, 0.0000

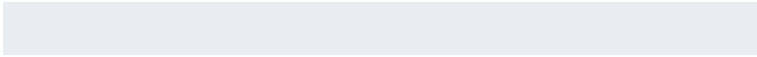


21.4041, 0.3127, 0.3290

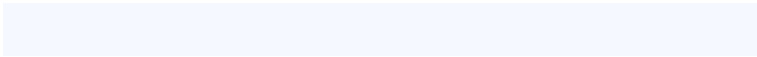


# Same Dimension

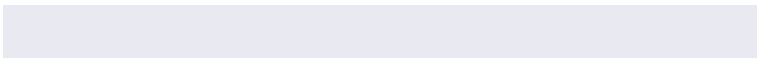
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.3064, 0.3070, 0.3239



94.5841, 0.3066, 0.3235



82.0548, 0.3074, 0.3197



17.5381, 0.3055, 0.3225



9.5497, 0.1726, 0.1413



0.9903, 0.1796, 0.1665



# Inverse Universe

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



83.2452, 0.3163, 0.3249



93.3073, 0.3165, 0.3246



88.1854, 0.3179, 0.3381



17.2586, 0.3173, 0.3238



10.7574, 0.5173, 0.2623

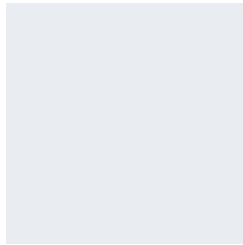


0.9147, 0.4850, 0.2445



# Previews

## White Background



This preview shows how the Yxy color 84.3028, 0.3070, 0.3239 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

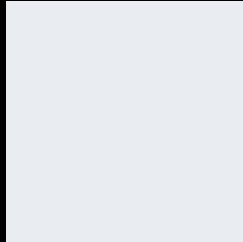
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.3028, 0.3070, 0.3239 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

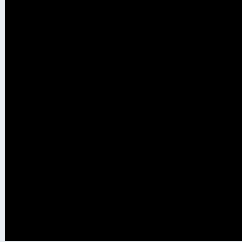
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

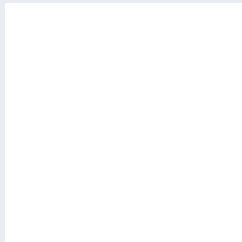
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.3028, 0.3070, 0.3239**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.3028, 0.3070, 0.3239.

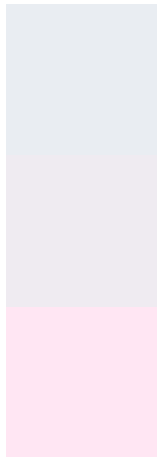


This preview shows how white text looks on a background with the Yxy color 84.3028, 0.3070, 0.3239.

# 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

84.3028, 0.3070, 0.3239

### Protanopia

84.1183, 0.3117, 0.3229

### Deuteranopia

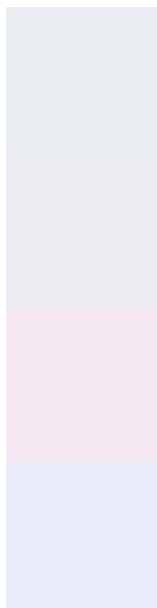
84.3247, 0.3215, 0.3163



## Tritanopia

84.2346, 0.3012, 0.3099

# Trichromacy



## Original Color

84.3028, 0.3070, 0.3239

## Protanomaly

84.3463, 0.3103, 0.3239

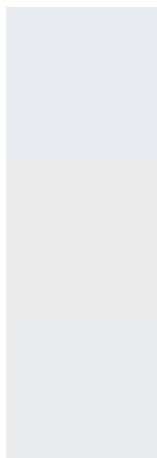
## Deuteranomaly

84.5230, 0.3159, 0.3191

## Tritanomaly

84.3855, 0.3029, 0.3148

# Monochromacy



## Original Color

84.3028, 0.3070, 0.3239

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

83.8261, 0.3108, 0.3270

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.3028, 0.3070, 0.3239 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(233, 237, 242)` looks like.

```
.text, #text, p{  
    color:rgb(233, 237, 242)  
}
```

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(233, 237, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 237, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 84.3028, 0.3070, 0.3239 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(233, 237, 242) }
```

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

```
.border{ border-color:rgb(233, 237, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 237, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 237, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 237, 242);  
box-shadow:4px 4px 4px 4px rgb(233, 237,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.3028, 0.3070, 0.3239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 237, 242) }
```

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

```
.background{ background-color: rgb(233,  
237, 242) }
```

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