

Converting Colors

$Yxy(84.6232, 0.3062, 0.3234)$

Have a look what the booklet for
Yxy(84.6232, 0.3062, 0.3234)
contains.

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Color

Yxy(84.9438, 0.3064, 0.3239)

Conversions

Conversions Part 1

Format	Color
Hex	E9EEF3
RGB	233, 238, 243
RGB Percent	91%, 93%, 95%
CMY	0.0863, 0.0666, 0.0471
CMYK	0.04, 0.02, 0.00, 0.05
HSL	210°, 29%, 93%
HSV	210°, 4%, 95%
XYZ	80.3544, 84.9438, 96.9550
YIQ	237.0750, -4.5850, 0.4950

Conversions

Conversions Part 2

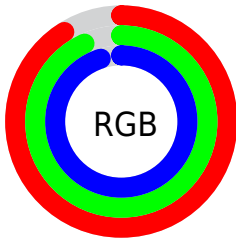
Format	Color
R _Y B	233, 236, 243
Decimal	15331059
CIE Lab	93.86, -0.75, -3.00
CIE LCh	94, 3.093, 255.997
Yxy	84.9438, 0.3064, 0.3239
Android (android.graphics.Color)	4293521139 (0xFFE9EEF3)
YUV	237.0750, 2.9210, -3.5738
Hunter-Lab	92.1650, -5.6628, 2.1440

Details

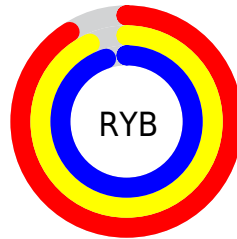
The Yxy color **84.9438, 0.3064, 0.3239** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **86.0792, 0.3192, 0.3340**, and the grayscale version is **84.7301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3909, 0.3046, 0.3224** is the 20% darker color. If you saturate the color by 10%, you get **74.3113, 0.2906, 0.3105**, and if you desaturate by 10%, it is **96.1847, 0.3200, 0.3359**.

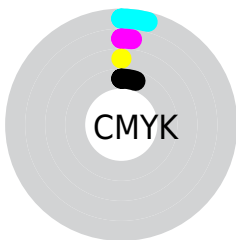
Distribution



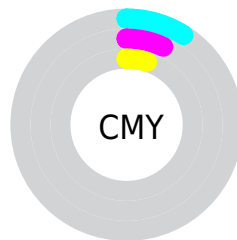
- Red (91%)
- Green (93%)
- Blue (95%)



- 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 84.9438, 0.3064, 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 84.9438, 0.3064, 0.3239 by changing the saturation by 10% instead.

84.9438, 0.3064,
0.3239

84.9438, 0.3064,
0.3239

511.4421, 0.3092,
0.3262

63.7949, 0.3058,
0.3234

140.2947, 0.3074,
0.3247

46.4846, 0.3050,
0.3228

175.2654, 0.3078,
0.3250

32.6284, 0.3040,
0.3220

215.6123, 0.3081,
0.3253

21.8419, 0.3028,
0.3210

261.7197, 0.3084,
0.3255

13.7408, 0.3011,
0.3196

313.9720, 0.3086,
0.3257

7.9406, 0.2988,
0.3177

372.7535, 0.3089,

4.0570, 0.2954,

0.3259

0.3149

438.4488, 0.3091,
0.3261

■ 1.7055, 0.2897,
0.3101

■ 0.4272, 0.2603,
0.2867

■ 84.9438, 0.3064,
0.3239

■ 84.9438, 0.3064,
0.3239

■ 74.3113, 0.2906,
0.3105

■ 96.1847, 0.3200,
0.3359

■ 64.6817, 0.2743,
0.2956

■ 99.2512, 0.3197,
0.3405

■ 56.0245, 0.2578,
0.2792

■ 48.3036, 0.2415,
0.2616

■ 41.4801, 0.2259,
0.2428

■ 35.5119, 0.2115,
0.2233

■ 30.3523, 0.1988,
0.2036

■ 25.9486, 0.1883,
0.1842

■ 22.2385, 0.1803,
0.1656

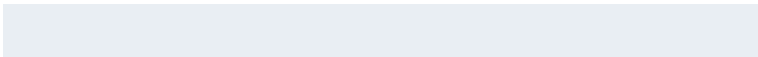
Harmonies

Analogous

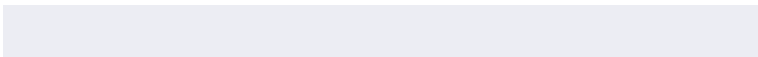
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.9438, 0.3059, 0.3262



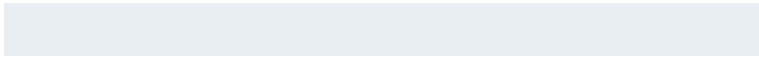
84.9438, 0.3064, 0.3239



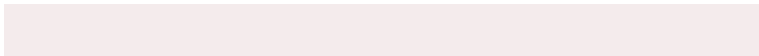
84.9438, 0.3086, 0.3229

Triad

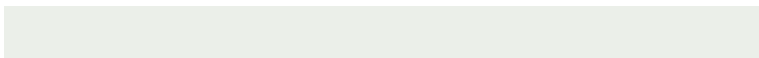
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.9438, 0.3064, 0.3239



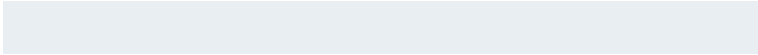
84.9438, 0.3183, 0.3287



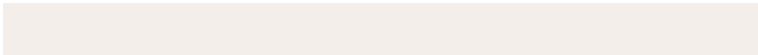
84.9438, 0.3135, 0.3345

Complementary

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



84.9438, 0.3064, 0.3239



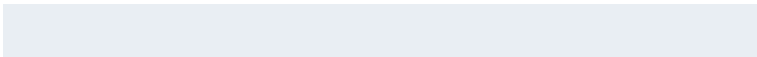
86.0792, 0.3192, 0.3340

Split Complementary

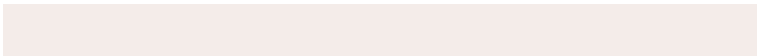
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.9438, 0.3168, 0.3352



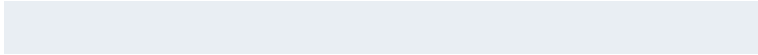
84.9438, 0.3064, 0.3239



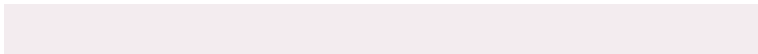
84.9438, 0.3196, 0.3317

Square

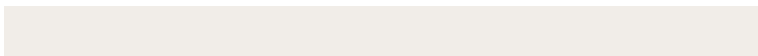
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



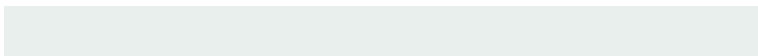
84.9438, 0.3064, 0.3239



84.9438, 0.3155, 0.3257



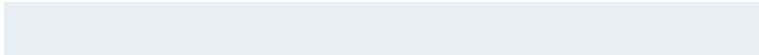
84.9438, 0.3191, 0.3341



84.9438, 0.3100, 0.3324

Rectangle

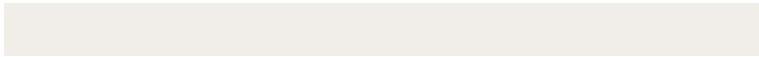
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.9438, 0.3064, 0.3239



84.9438, 0.3107, 0.3232



84.9438, 0.3191, 0.3341



84.9438, 0.3147, 0.3349

Sweetspot

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



84.9474, 0.3064, 0.3239



98.7105, 0.3112, 0.3278



87.5879, 0.3093, 0.3343



21.1417, 0.3113, 0.3278



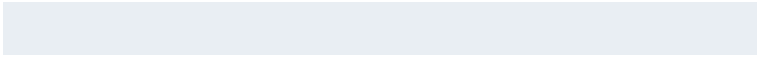
0.0000, 0.0000, 0.0000



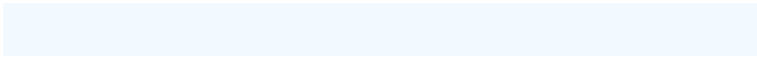
21.4041, 0.3127, 0.3290

Same Dimension

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



84.9474, 0.3064, 0.3239



93.6697, 0.3050, 0.3228



82.1619, 0.3065, 0.3189



18.1946, 0.3040, 0.3219



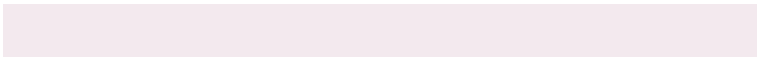
11.4283, 0.1772, 0.1580



1.2100, 0.1835, 0.1806

Inverse Universe

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



83.5024, 0.3163, 0.3240



91.7302, 0.3171, 0.3229



88.9404, 0.3188, 0.3389



17.7667, 0.3178, 0.3220



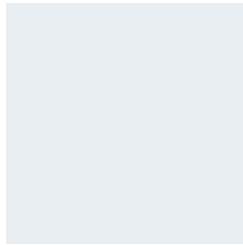
11.2531, 0.4956, 0.2504



1.0098, 0.4678, 0.2351

Previews

White Background



This preview shows how the Yxy color 84.9438, 0.3064, 0.3239 looks on a white background.

Color Contrast Check

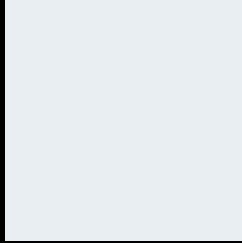
Large Text (above 18pt) WCAG AA × Fail

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 84.9438, 0.3064, 0.3239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

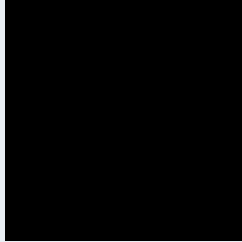
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

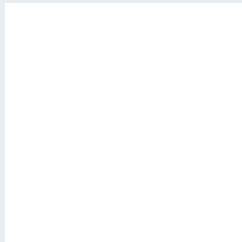
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.9438, 0.3064, 0.3239

Background



This preview shows how black text looks on a background with the Yxy color 84.9438, 0.3064, 0.3239.

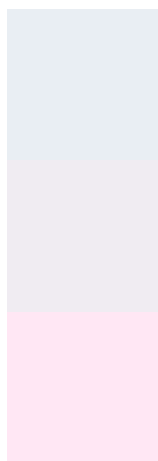


This preview shows how white text looks on a background with the Yxy color 84.9438, 0.3064, 0.3239.

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

84.9438, 0.3064, 0.3239

Protanopia

84.9270, 0.3117, 0.3230

Deuteranopia

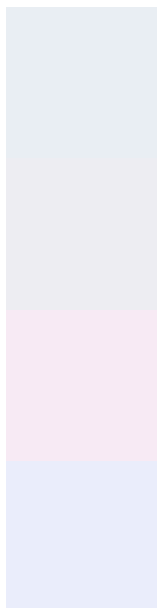
84.9435, 0.3208, 0.3163



Tritanopia

84.8731, 0.3006, 0.3099

Trichromacy



Original Color

84.9438, 0.3064, 0.3239

Protanomaly

84.9837, 0.3097, 0.3239

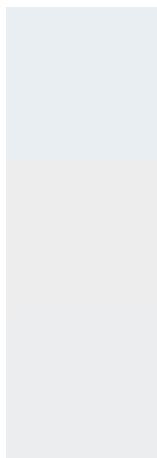
Deuteranomaly

85.1514, 0.3152, 0.3191

Tritanomaly

85.0258, 0.3023, 0.3149

Monochromacy



Original Color

84.9438, 0.3064, 0.3239

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.6332, 0.3108, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.9438, 0.3064, 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, 238, 243)` looks like.

```
.text, #text, p{  
    color:rgb(233, 238, 243)  
}
```

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, 238, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 238, 243) }
```

Border

The CSS property to change the border of an element to Yxy 84.9438, 0.3064, 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, 238, 243) }
```

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

```
.border{ border-color:rgb(233, 238, 243) }
```

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

Here you see how a box with a 4 pixel rgb(233, 238, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 238, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 238, 243);  
box-shadow:4px 4px 4px 4px rgb(233, 238,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 84.9438, 0.3064, 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, 238, 243) }
```

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

```
.background{ background-color: rgb(233,  
238, 243) }
```

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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