

Converting Colors

Yxy(84.6446, 0.3054, 0.3257)

Have a look what the booklet for
Yxy(84.6446, 0.3054, 0.3257)
contains.

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Color

Yxy(84.3829, 0.3051, 0.3249)

Conversions

Conversions Part 1

Format	Color
Hex	E6EEF2
RGB	230, 238, 242
RGB Percent	90%, 93%, 95%
CMY	0.0979, 0.0667, 0.0511
CMYK	0.05, 0.02, 0.00, 0.05
HSL	200°, 31%, 93%
HSV	200°, 5%, 95%
XYZ	79.2405, 84.3829, 96.0963
YIQ	236.0640, -6.0520, -0.4520

Conversions

Conversions Part 2

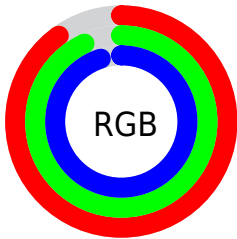
Format	Color
R _Y B	230, 235, 242
Decimal	15134450
CIE Lab	93.62, -1.90, -2.85
CIE LCh	94, 3.423, 236.318
Yxy	84.3829, 0.3051, 0.3249
Android (android.graphics.Color)	4293324530 (0xFFE6EEF2)
YUV	236.0640, 2.9264, -5.3181
Hunter-Lab	91.8602, -6.7775, 2.2780

Details

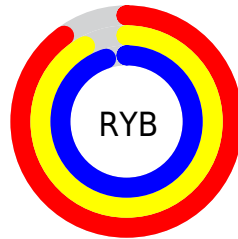
The Yxy color **84.3829, 0.3051, 0.3249** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.4443, 0.3206, 0.3331**, and the grayscale version is **83.9182, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.9997, 0.3029, 0.3237** is the 20% darker color. If you saturate the color by 10%, you get **76.0642, 0.2895, 0.3159**, and if you desaturate by 10%, it is **93.4749, 0.3205, 0.3330**.

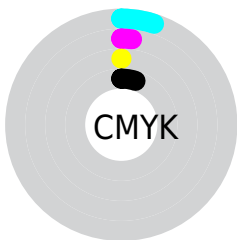
Distribution



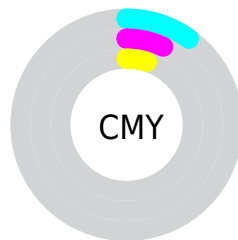
- Red (90%)
- Green (93%)
- Blue (95%)



- Red (90%)
- Yellow (92%)
- Blue (95%)



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



- Cyan (10%)
- Magenta (7%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.3829, 0.3051, 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 84.3829, 0.3051, 0.3249 by changing the saturation by 10% instead.

84.3829, 0.3051,
0.3249

84.3829, 0.3051,
0.3249

509.5839, 0.3085,
0.3268

63.3316, 0.3043,
0.3245

139.5107, 0.3063,
0.3255

46.1095, 0.3034,
0.3240

174.3559, 0.3067,
0.3258

32.3323, 0.3022,
0.3233

214.5680, 0.3071,
0.3260

21.6154, 0.3007,
0.3225

260.5312, 0.3075,
0.3262

13.5746, 0.2988,
0.3214

312.6301, 0.3078,
0.3264

7.8254, 0.2960,
0.3198

371.2488, 0.3081,

3.9834, 0.2918,

0.3265

0.3175

436.7720, 0.3083,
0.3266

■ 1.6643, 0.2848,
0.3135

■ 0.4004, 0.2440,
0.2923

■ 84.3829, 0.3051,
0.3249

■ 84.3829, 0.3051,
0.3249

■ 76.0642, 0.2895,
0.3159

■ 93.4749, 0.3205,
0.3330

■ 68.4826, 0.2740,
0.3060

■ 98.6350, 0.3203,
0.3407

■ 61.6147, 0.2589,
0.2953

■ 99.1894, 0.3203,
0.3415

■ 55.4312, 0.2444,
0.2838

■ 49.9009, 0.2311,
0.2716

■ 44.9892, 0.2192,
0.2590

■ 40.6575, 0.2092,
0.2461

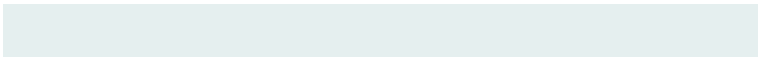
■ 36.8613, 0.2012,
0.2332

■ 33.5466, 0.1953,
0.2205

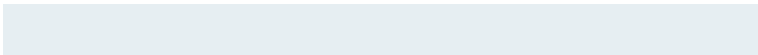
Harmonies

Analogous

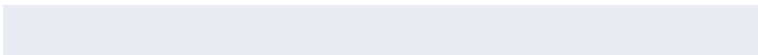
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3829, 0.3059, 0.3282



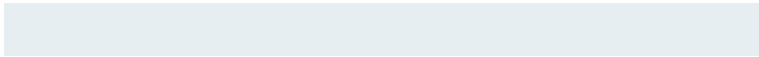
84.3829, 0.3051, 0.3249



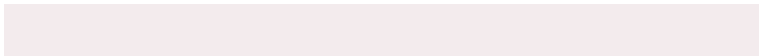
84.3829, 0.3064, 0.3228

Triad

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



84.3829, 0.3051, 0.3249



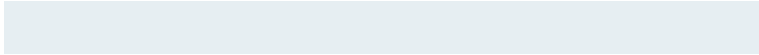
84.3829, 0.3170, 0.3264



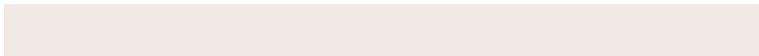
84.3829, 0.3161, 0.3358

Complementary

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



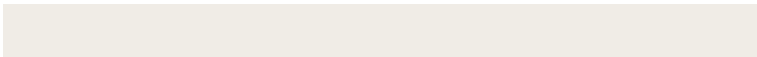
84.3829, 0.3051, 0.3249



83.4443, 0.3206, 0.3331

Split Complementary

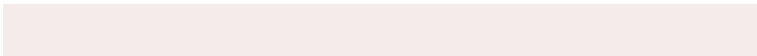
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.3829, 0.3191, 0.3353



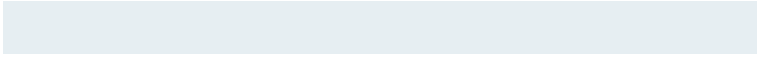
84.3829, 0.3051, 0.3249



84.3829, 0.3196, 0.3298

Square

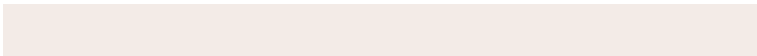
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



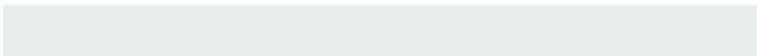
84.3829, 0.3051, 0.3249



84.3829, 0.3132, 0.3237



84.3829, 0.3204, 0.3331



84.3829, 0.3122, 0.3345

Rectangle

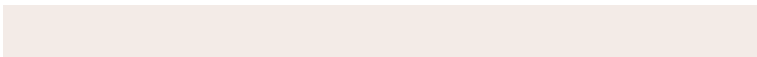
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



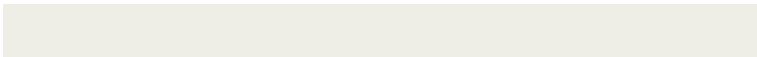
84.3829, 0.3051, 0.3249



84.3829, 0.3082, 0.3223



84.3829, 0.3204, 0.3331



84.3829, 0.3173, 0.3358

Sweetspot

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



84.3865, 0.3051, 0.3249



98.9784, 0.3112, 0.3282



86.2501, 0.3099, 0.3374



21.1962, 0.3113, 0.3282



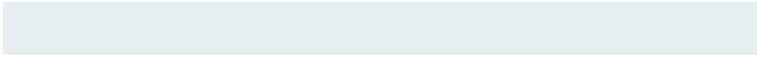
0.0000, 0.0000, 0.0000



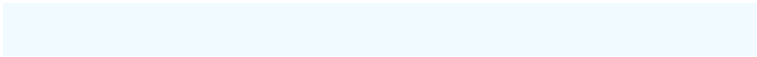
21.4041, 0.3127, 0.3290

Same Dimension

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



84.3865, 0.3051, 0.3249



94.0020, 0.3034, 0.3240



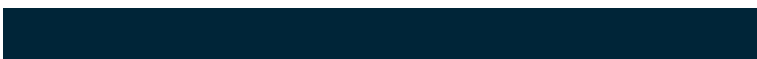
81.0799, 0.3052, 0.3189



17.4970, 0.3025, 0.3234



17.4618, 0.1934, 0.2162



1.6347, 0.1980, 0.2328

Inverse Universe

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



81.6611, 0.3158, 0.3210



90.2995, 0.3165, 0.3192



86.7842, 0.3202, 0.3389



16.7376, 0.3169, 0.3181



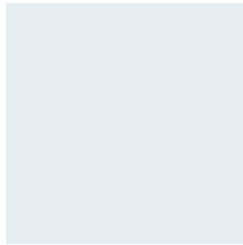
11.5561, 0.4273, 0.2128



0.9797, 0.4097, 0.2031

Previews

White Background



This preview shows how the Yxy color 84.3829, 0.3051, 0.3249 looks on a white background.

Color Contrast Check

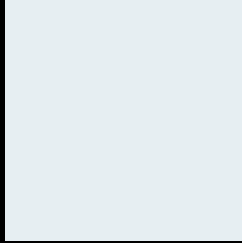
Large Text (above 18pt) WCAG AA × Fail

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 84.3829, 0.3051, 0.3249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

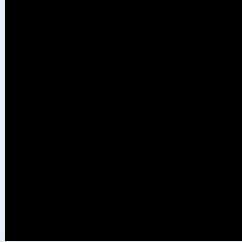
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

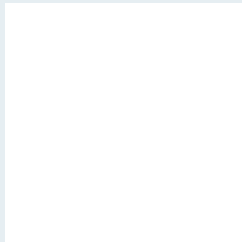
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.3829, 0.3051, 0.3249

Background



This preview shows how black text looks on a background with the Yxy color 84.3829, 0.3051, 0.3249.

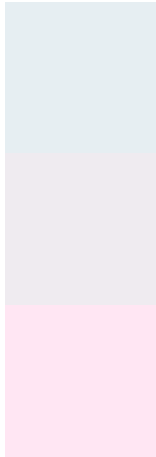


This preview shows how white text looks on a background with the Yxy color 84.3829, 0.3051, 0.3249.

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

84.3829, 0.3051, 0.3249

Protanopia

84.0587, 0.3123, 0.3239

Deuteranopia

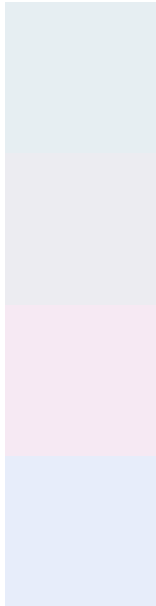
84.3247, 0.3215, 0.3163



Tritanopia

84.3667, 0.2987, 0.3098

Trichromacy



Original Color

84.3829, 0.3051, 0.3249

Protanomaly

84.1746, 0.3096, 0.3239

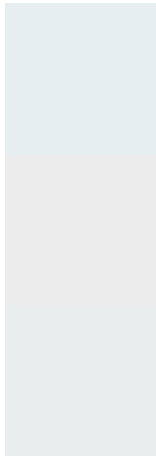
Deuteranomaly

84.3417, 0.3152, 0.3191

Tritanomaly

84.4594, 0.3010, 0.3158

Monochromacy



Original Color

84.3829, 0.3051, 0.3249

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.2338, 0.3101, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.3829, 0.3051, 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(230, 238, 242)` looks like.

```
.text, #text, p{  
    color:rgb(230, 238, 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(230, 238, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 238, 242) }
```

Border

The CSS property to change the border of an element to Yxy 84.3829, 0.3051, 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(230, 238, 242) }
```

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

```
.border{ border-color:rgb(230, 238, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 238, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(230, 238, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(230, 238, 242); box-shadow:4px 4px 4px 4px rgb(230, 238, 242) }
```


Background

The CSS property to change the background color of an element to Yxy 84.3829, 0.3051, 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(230, 238, 242) }
```

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

```
.background{ background-color: rgb(230,  
238, 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](#).

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