

Converting Colors

$Yxy(85.3429, 0.3071, 0.3229)$

Have a look what the booklet for
Yxy(85.3429, 0.3071, 0.3229)
contains.

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Color

Yxy(85.3429, 0.3071, 0.3229)

Conversions

Conversions Part 1

Format	Color
Hex	EBEEF4
RGB	235, 238, 244
RGB Percent	92%, 93%, 96%
CMY	0.0784, 0.0667, 0.0431
CMYK	0.04, 0.02, 0.00, 0.04
HSL	220°, 29%, 94%
HSV	220°, 4%, 96%
XYZ	81.1669, 85.3429, 97.7915
YIQ	237.7870, -3.7140, 1.2300

Conversions

Conversions Part 2

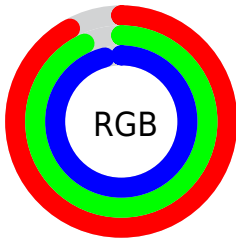
Format	Color
R _Y B	235, 237, 244
Decimal	15462132
CIE Lab	94.03, 0.10, -3.26
CIE LCh	94, 3.258, 271.751
Yxy	85.3429, 0.3071, 0.3229
Android (android.graphics.Color)	4293652212 (0xFFEBEEF4)
YUV	237.7870, 3.0630, -2.4442
Hunter-Lab	92.3812, -4.8355, 1.9046

Details

The Yxy color **85.3429, 0.3071, 0.3229** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.1534, 0.3184, 0.3350**, and the grayscale version is **85.3081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.6704, 0.3055, 0.3212** is the 20% darker color. If you saturate the color by 10%, you get **72.4184, 0.2911, 0.3049**, and if you desaturate by 10%, it is **98.8563, 0.3191, 0.3389**.

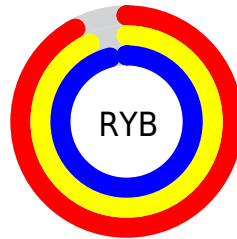
Distribution



Red (92%)

Green (93%)

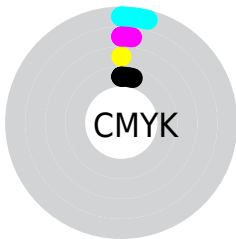
Blue (96%)



Red (92%)

Yellow (93%)

Blue (96%)

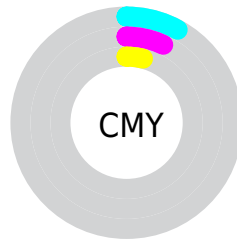


Cyan (4%)

Magenta (2%)

Yellow (0%)

Black (4%)



Cyan (8%)

Magenta (7%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.3429, 0.3071, 0.3229 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 85.3429, 0.3071, 0.3229 by changing the saturation by 10% instead.

85.3429, 0.3071,
0.3229

85.3429, 0.3071,
0.3229

512.7620, 0.3096,
0.3257

64.1247, 0.3065,
0.3223

140.8522, 0.3080,
0.3238

46.7517, 0.3059,
0.3215

175.9121, 0.3083,
0.3242

32.8394, 0.3050,
0.3206

216.3547, 0.3086,
0.3245

22.0035, 0.3039,
0.3194

262.5644, 0.3089,
0.3248

13.8594, 0.3024,
0.3178

314.9255, 0.3091,
0.3251

8.0230, 0.3004,
0.3156

373.8226, 0.3093,

4.1097, 0.2973,

0.3253

0.3123

439.6400, 0.3095,
0.3255

■ 1.7351, 0.2922,
0.3067

■ 0.4462, 0.2689,
0.2813

■ 85.3429, 0.3071,
0.3229

■ 85.3429, 0.3071,
0.3229

■ 72.4184, 0.2911,
0.3049

■ 98.8563, 0.3191,
0.3389

■ 60.8716, 0.2741,
0.2848

■ 99.3124, 0.3191,
0.3395

■ 50.6579, 0.2563,
0.2627

■ 41.7264, 0.2382,
0.2387

■ 34.0222, 0.2203,
0.2134

■ 27.4864, 0.2035,
0.1874

■ 22.0543, 0.1884,
0.1619

■ 17.6539, 0.1760,
0.1379

■ 14.2016, 0.1668,
0.1166

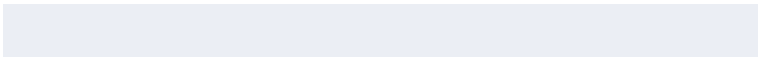
Harmonies

Analogous

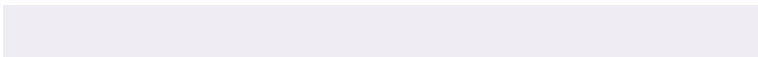
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.3429, 0.3056, 0.3247



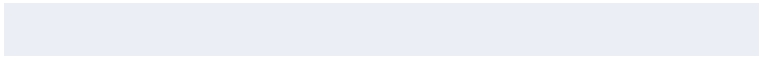
85.3429, 0.3071, 0.3229



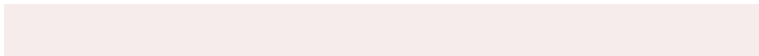
85.3429, 0.3101, 0.3228

Triad

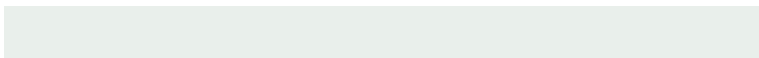
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.3429, 0.3071, 0.3229



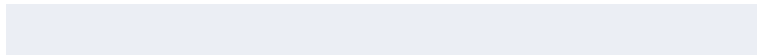
85.3429, 0.3196, 0.3304



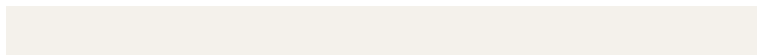
85.3429, 0.3115, 0.3338

Complementary

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



85.3429, 0.3071, 0.3229



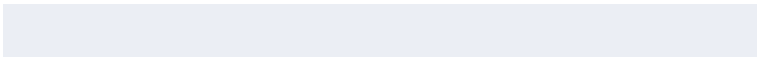
88.1534, 0.3184, 0.3350

Split Complementary

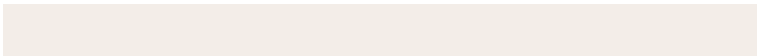
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.3429, 0.3153, 0.3353



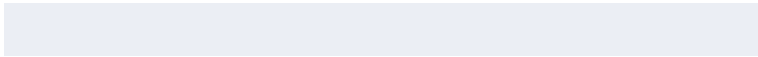
85.3429, 0.3071, 0.3229



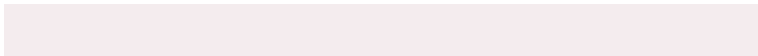
85.3429, 0.3199, 0.3333

Square

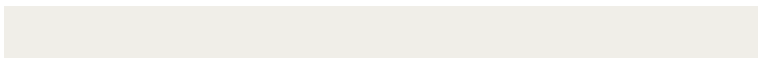
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.3429, 0.3071, 0.3229



85.3429, 0.3173, 0.3271



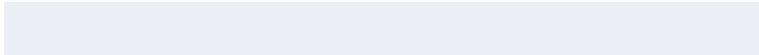
85.3429, 0.3184, 0.3352



85.3429, 0.3081, 0.3310

Rectangle

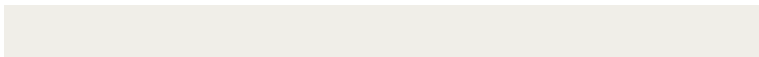
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



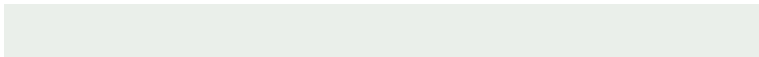
85.3429, 0.3071, 0.3229



85.3429, 0.3126, 0.3236



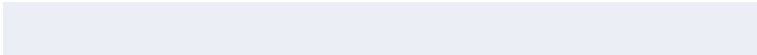
85.3429, 0.3184, 0.3352



85.3429, 0.3128, 0.3345

Sweetspot

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



85.3465, 0.3071, 0.3229



98.4388, 0.3112, 0.3274



88.7235, 0.3087, 0.3320



21.0864, 0.3113, 0.3275



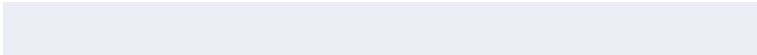
0.0000, 0.0000, 0.0000



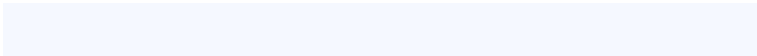
21.4041, 0.3127, 0.3290

Same Dimension

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



85.3465, 0.3071, 0.3229



93.8510, 0.3066, 0.3224



83.8722, 0.3082, 0.3199



18.1789, 0.3055, 0.3211



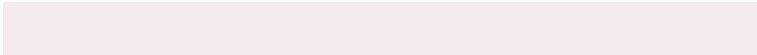
6.9915, 0.1633, 0.1077



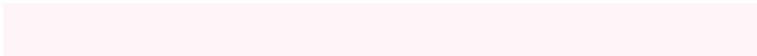
0.7956, 0.1701, 0.1324

Inverse Universe

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



84.8286, 0.3169, 0.3260



93.2333, 0.3173, 0.3257



89.6753, 0.3172, 0.3380



18.0378, 0.3181, 0.3251



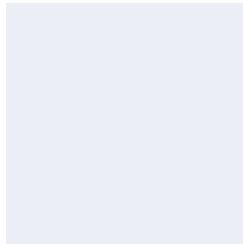
10.8052, 0.5644, 0.2883



0.9680, 0.5293, 0.2690

Previews

White Background



This preview shows how the Yxy color 85.3429, 0.3071, 0.3229 looks on a white background.

Color Contrast Check

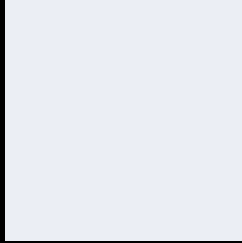
Large Text (above 18pt) WCAG AA × Fail

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 85.3429, 0.3071, 0.3229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

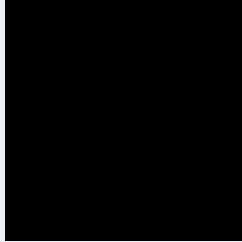
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

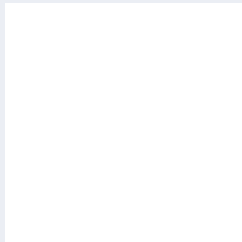
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.3429, 0.3071, 0.3229

Background



This preview shows how black text looks on a background with the Yxy color 85.3429, 0.3071, 0.3229.

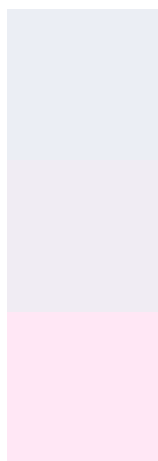


This preview shows how white text looks on a background with the Yxy color 85.3429, 0.3071, 0.3229.

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

85.3429, 0.3071, 0.3229

Protanopia

84.9872, 0.3111, 0.3220

Deuteranopia

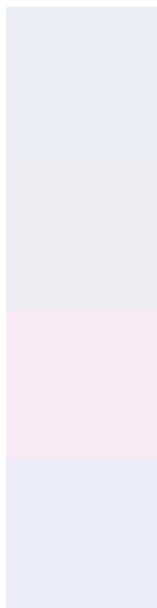
85.0044, 0.3202, 0.3154



Tritanopia

85.2154, 0.3019, 0.3100

Trichromacy



Original Color

85.3429, 0.3071, 0.3229

Protanomaly

85.2166, 0.3097, 0.3229

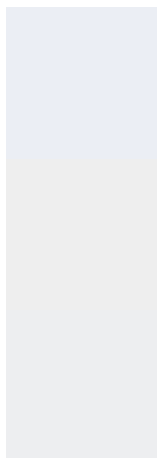
Deuteranomaly

85.3947, 0.3152, 0.3181

Tritanomaly

85.3663, 0.3036, 0.3149

Monochromacy



Original Color

85.3429, 0.3071, 0.3229

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.4449, 0.3108, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.3429, 0.3071, 0.3229 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(235, 238, 244)` looks like.

```
.text, #text, p{  
    color:rgb(235, 238, 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(235, 238, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 238, 244) }
```

Border

The CSS property to change the border of an element to Yxy 85.3429, 0.3071, 0.3229 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(235, 238, 244) }
```

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

```
.border{ border-color:rgb(235, 238, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 238, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 238, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 238, 244);  
box-shadow:4px 4px 4px 4px rgb(235, 238,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 85.3429, 0.3071, 0.3229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 238, 244) }
```

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

```
.background{ background-color: rgb(235,  
238, 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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