

Converting Colors

Yxy(83.9681, 0.3057, 0.3239)

Have a look what the booklet for
Yxy(83.9681, 0.3057, 0.3239)
contains.

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Color

Yxy(83.9681, 0.3057, 0.3239)

Conversions

Conversions Part 1

Format	Color
Hex	E7EDF2
RGB	231, 237, 242
RGB Percent	91%, 93%, 95%
CMY	0.0943, 0.0705, 0.0510
CMYK	0.05, 0.02, 0.00, 0.05
HSL	207°, 30%, 93%
HSV	207°, 5%, 95%
XYZ	79.2499, 83.9681, 96.0228
YIQ	235.7760, -5.1810, 0.2830

Conversions

Conversions Part 2

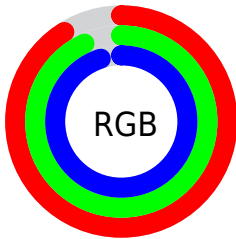
Format	Color
R _Y B	231, 235, 242
Decimal	15199730
CIE Lab	93.44, -1.10, -3.11
CIE LCh	93, 3.300, 250.450
Yxy	83.9681, 0.3057, 0.3239
Android (android.graphics.Color)	4293389810 (0xFFE7EDF2)
YUV	235.7760, 3.0684, -4.1886
Hunter-Lab	91.6341, -5.9837, 2.0143

Details

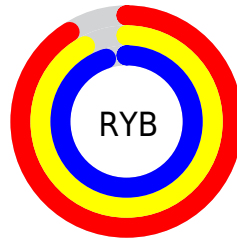
The Yxy color **83.9681, 0.3057, 0.3239** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.5763, 0.3199, 0.3340**, and the grayscale version is **83.6750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.7069, 0.3038, 0.3224** is the 20% darker color. If you saturate the color by 10%, you get **74.1144, 0.2900, 0.3118**, and if you desaturate by 10%, it is **94.7406, 0.3208, 0.3347**.

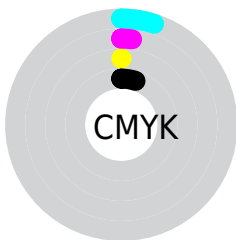
Distribution



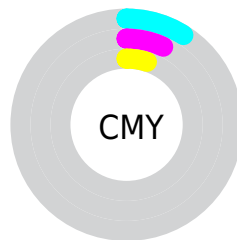
- Red (91%)
- Green (93%)
- Blue (95%)



- Red (91%)
- Yellow (92%)
- Blue (95%)



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.9681, 0.3057, 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 83.9681, 0.3057, 0.3239 by changing the saturation by 10% instead.

83.9681, 0.3057,
0.3239

83.9681, 0.3057,
0.3239

508.2073, 0.3089,
0.3262

62.9891, 0.3050,
0.3234

138.9306, 0.3068,
0.3247

45.8324, 0.3041,
0.3228

173.6828, 0.3072,
0.3250

32.1136, 0.3031,
0.3220

213.7949, 0.3076,
0.3253

21.4483, 0.3017,
0.3209

259.6513, 0.3079,
0.3255

13.4521, 0.2998,
0.3196

311.6363, 0.3082,
0.3257

7.7406, 0.2972,
0.3176

370.1344, 0.3084,

3.9294, 0.2934,

0.3259

0.3147

435.5299, 0.3087,
0.3261

■ 1.6341, 0.2869,
0.3098

■ 0.3805, 0.2485,
0.2825

■ 83.9681, 0.3057,
0.3239

■ 83.9681, 0.3057,
0.3239

■ 74.1144, 0.2900,
0.3118

■ 94.7406, 0.3208,
0.3347

■ 65.1660, 0.2739,
0.2984

■ 99.1900, 0.3203,
0.3415

■ 57.0953, 0.2578,
0.2837

■ 49.8692, 0.2421,
0.2679

■ 43.4518, 0.2272,
0.2511

■ 37.8043, 0.2135,
0.2336

■ 32.8833, 0.2016,
0.2159

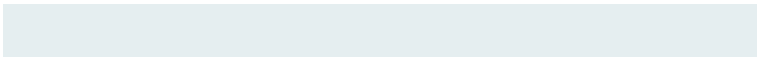
■ 28.6398, 0.1919,
0.1983

■ 25.0150, 0.1845,
0.1813

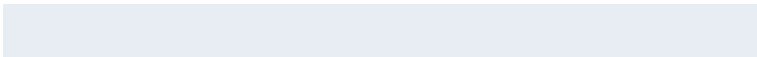
Harmonies

Analogous

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



83.9681, 0.3055, 0.3266



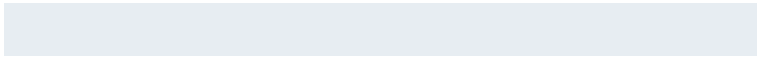
83.9681, 0.3057, 0.3239



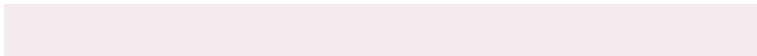
83.9681, 0.3078, 0.3226

Triad

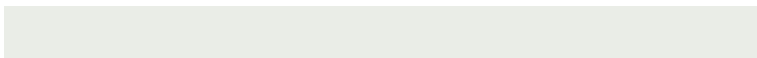
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.9681, 0.3057, 0.3239



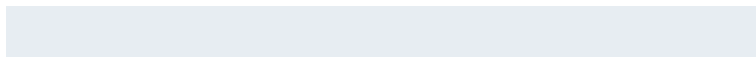
83.9681, 0.3182, 0.3280



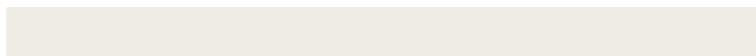
83.9681, 0.3143, 0.3352

Complementary

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



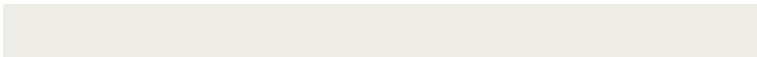
83.9681, 0.3057, 0.3239



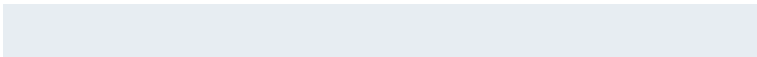
84.5763, 0.3199, 0.3340

Split Complementary

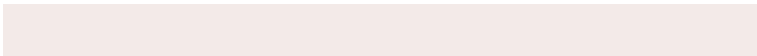
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.9681, 0.3177, 0.3355



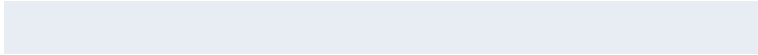
83.9681, 0.3057, 0.3239



83.9681, 0.3200, 0.3314

Square

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



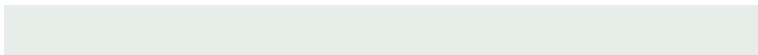
83.9681, 0.3057, 0.3239



83.9681, 0.3150, 0.3249



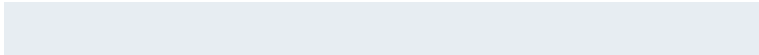
83.9681, 0.3198, 0.3341



83.9681, 0.3104, 0.3332

Rectangle

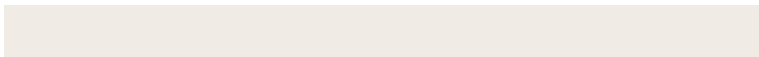
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.9681, 0.3057, 0.3239



83.9681, 0.3099, 0.3226



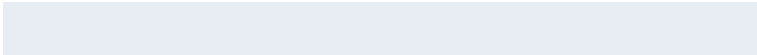
83.9681, 0.3198, 0.3341



83.9681, 0.3155, 0.3355

Sweetspot

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



83.9717, 0.3057, 0.3239



98.7908, 0.3112, 0.3279



86.5156, 0.3093, 0.3354



21.1581, 0.3113, 0.3280



0.0000, 0.0000, 0.0000



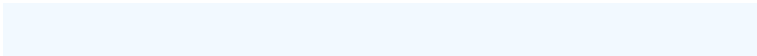
21.4041, 0.3127, 0.3290

Same Dimension

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



83.9717, 0.3057, 0.3239



94.0612, 0.3050, 0.3234



80.9212, 0.3058, 0.3184



17.4746, 0.3040, 0.3226



12.7741, 0.1820, 0.1751



1.2611, 0.1881, 0.1971

Inverse Universe

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



82.1098, 0.3164, 0.3229



91.7697, 0.3168, 0.3222



87.6997, 0.3195, 0.3394



16.9921, 0.3173, 0.3213



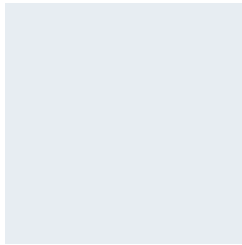
11.0829, 0.4744, 0.2387



0.9420, 0.4486, 0.2245

Previews

White Background



This preview shows how the Yxy color 83.9681, 0.3057, 0.3239 looks on a white background.

Color Contrast Check

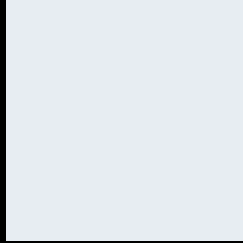
Large Text (above 18pt) WCAG AA × Fail

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 83.9681, 0.3057, 0.3239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

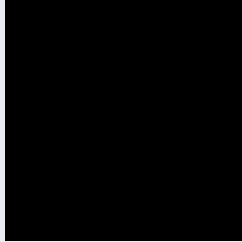
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

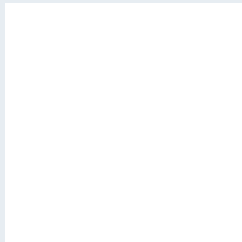
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.9681, 0.3057, 0.3239

Background



This preview shows how black text looks on a background with the Yxy color 83.9681, 0.3057, 0.3239.

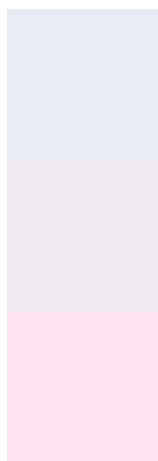


This preview shows how white text looks on a background with the Yxy color 83.9681, 0.3057, 0.3239.

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

83.9681, 0.3057, 0.3239

Protanopia

84.1183, 0.3117, 0.3229

Deuteranopia

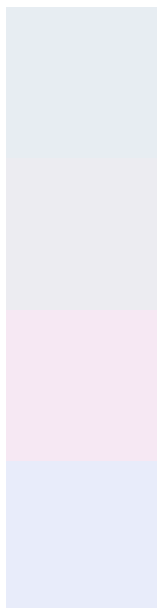
83.8303, 0.3209, 0.3144



Tritanopia

83.8961, 0.2999, 0.3098

Trichromacy



Original Color

83.9681, 0.3057, 0.3239

Protanomaly

84.1746, 0.3096, 0.3239

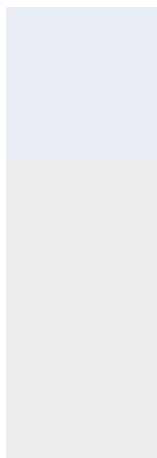
Deuteranomaly

83.7771, 0.3153, 0.3181

Tritanomaly

84.0488, 0.3016, 0.3148

Monochromacy



Original Color

83.9681, 0.3057, 0.3239

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.6564, 0.3102, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9681, 0.3057, 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(231, 237, 242)` looks like.

```
.text, #text, p{  
    color:rgb(231, 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(231, 237, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 237, 242) }
```

Border

The CSS property to change the border of an element to Yxy 83.9681, 0.3057, 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(231, 237, 242) }
```

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

```
.border{ border-color:rgb(231, 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(231, 237, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 237, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 237, 242);  
box-shadow:4px 4px 4px 4px rgb(231, 237,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 83.9681, 0.3057, 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(231, 237, 242) }
```

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

```
.background{ background-color: rgb(231,  
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](#).

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