

Converting Colors

Yxy(83.6234, 0.3069, 0.3269)

Have a look what the booklet for
Yxy(83.6234, 0.3069, 0.3269)
contains.

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Color

Yxy(83.6234, 0.3069, 0.3269)

Conversions

Conversions Part 1

Format	Color
Hex	E6EDEF
RGB	230, 237, 239
RGB Percent	90%, 93%, 94%
CMY	0.0979, 0.0706, 0.0627
CMYK	0.04, 0.01, 0.00, 0.06
HSL	194°, 22%, 92%
HSV	194°, 4%, 94%
XYZ	78.5073, 83.6234, 93.6766
YIQ	235.1350, -4.8140, -0.8620

Conversions

Conversions Part 2

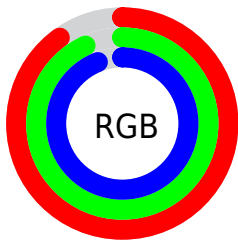
Format	Color
R_{YB}	230, 234, 239
Decimal	15134191
CIE Lab	93.29, -1.93, -1.79
CIE LCh	93, 2.637, 222.863
Yxy	83.6234, 0.3069, 0.3269
Android (android.graphics.Color)	4293324271 (0xFFE6EDEF)
YUV	235.1350, 1.9054, -4.5034
Hunter-Lab	91.4458, -6.7860, 3.2757

Details

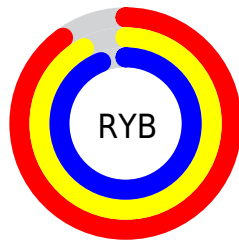
The Yxy color **83.6234, 0.3069, 0.3269** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.8152, 0.3187, 0.3311**, and the grayscale version is **83.1805, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.5806, 0.3061, 0.3263** is the 20% darker color. If you saturate the color by 10%, you get **76.8683, 0.2915, 0.3209**, and if you desaturate by 10%, it is **91.0215, 0.3224, 0.3323**.

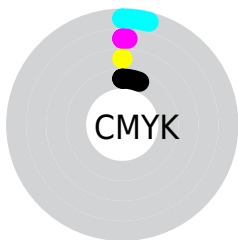
Distribution



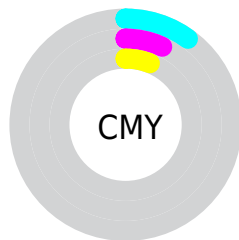
- Red (90%)
- Green (93%)
- Blue (94%)



- Red (90%)
- Yellow (92%)
- Blue (94%)



- Cyan (4%)
- Magenta (1%)
- Yellow (0%)
- Black (6%)



- Cyan (10%)
- Magenta (7%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.6234, 0.3069, 0.3269 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 83.6234, 0.3069, 0.3269 by changing the saturation by 10% instead.

■ 83.6234, 0.3069,
0.3269

■ 83.6234, 0.3069,
0.3269

507.0618, 0.3095,
0.3279

■ 62.7046, 0.3063,
0.3267

138.4482, 0.3078,
0.3272

■ 45.6022, 0.3056,
0.3264

173.1230, 0.3082,
0.3274

■ 31.9321, 0.3047,
0.3261

213.1519, 0.3085,
0.3275

■ 21.3096, 0.3036,
0.3257

258.9193, 0.3087,
0.3276

■ 13.3505, 0.3020,
0.3251

310.8096, 0.3090,
0.3277

■ 7.6703, 0.2999,
0.3243

369.2072, 0.3092,

■ 3.8847, 0.2966,

0.3277

0.3230

434.4965, 0.3094,
0.3278

■ 1.6093, 0.2912,
0.3209

■ 0.3639, 0.2522,
0.3073

■ 83.6234, 0.3069,
0.3269

■ 83.6234, 0.3069,
0.3269

■ 76.8683, 0.2915,
0.3209

■ 91.0215, 0.3224,
0.3323

■ 70.7226, 0.2764,
0.3144

■ 94.4813, 0.3226,
0.3375

■ 65.1659, 0.2620,
0.3073

■ 97.8353, 0.3222,
0.3426

■ 60.1720, 0.2486,
0.2998

■ 99.0130, 0.3220,
0.3444

■ 55.7127, 0.2365,
0.2918

■ 51.7569, 0.2260,
0.2836

■ 48.2698, 0.2173,
0.2753

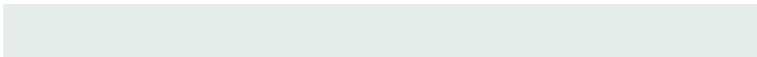
■ 45.2111, 0.2106,
0.2669

■ 42.5321, 0.2059,
0.2585

Harmonies

Analogous

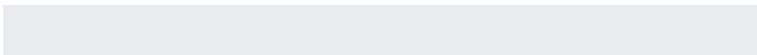
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6234, 0.3082, 0.3296



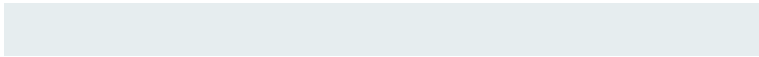
83.6234, 0.3069, 0.3269



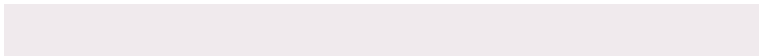
83.6234, 0.3072, 0.3248

Triad

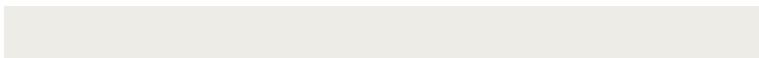
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6234, 0.3069, 0.3269



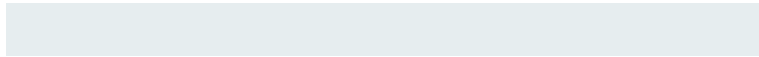
83.6234, 0.3148, 0.3259



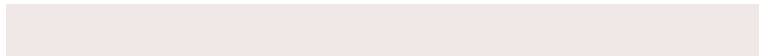
83.6234, 0.3165, 0.3342

Complementary

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



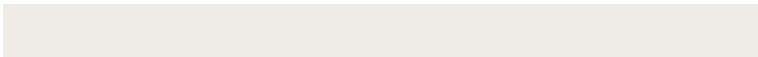
83.6234, 0.3069, 0.3269



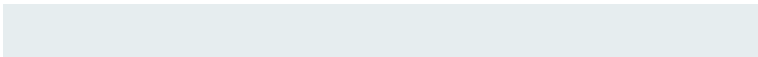
81.8152, 0.3187, 0.3311

Split Complementary

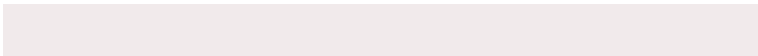
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6234, 0.3183, 0.3332



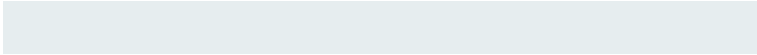
83.6234, 0.3069, 0.3269



83.6234, 0.3173, 0.3284

Square

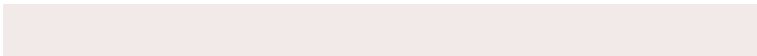
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



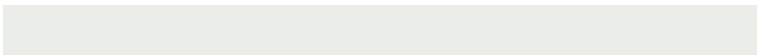
83.6234, 0.3069, 0.3269



83.6234, 0.3117, 0.3242



83.6234, 0.3186, 0.3311



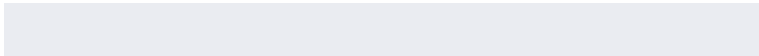
83.6234, 0.3137, 0.3339

Rectangle

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



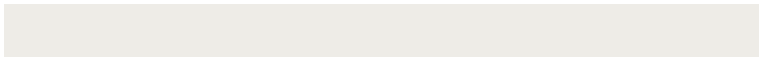
83.6234, 0.3069, 0.3269



83.6234, 0.3082, 0.3240



83.6234, 0.3186, 0.3311



83.6234, 0.3172, 0.3341

Sweetspot

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



83.6270, 0.3069, 0.3269



99.1536, 0.3112, 0.3284



84.3972, 0.3111, 0.3363



21.2319, 0.3112, 0.3285



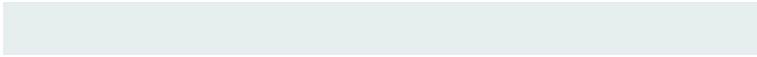
0.0000, 0.0000, 0.0000



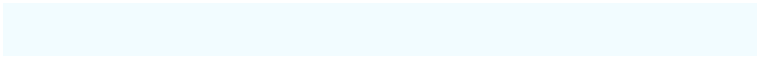
21.4041, 0.3127, 0.3290

Same Dimension

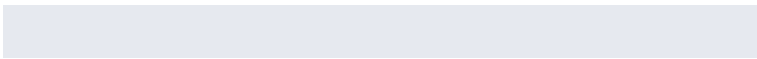
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6270, 0.3069, 0.3269



95.8429, 0.3050, 0.3262



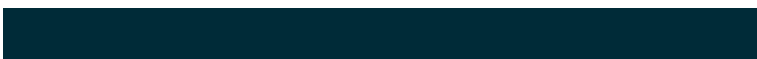
81.1025, 0.3070, 0.3223



17.8517, 0.3039, 0.3258



22.8632, 0.2041, 0.2547



2.0482, 0.2071, 0.2656

Inverse Universe

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



81.0813, 0.3144, 0.3219



91.9496, 0.3150, 0.3195



84.3323, 0.3184, 0.3356



17.0301, 0.3153, 0.3182



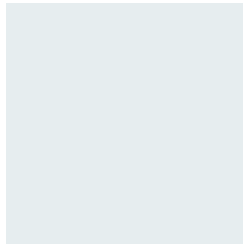
12.1014, 0.3876, 0.1909



1.0215, 0.3770, 0.1850

Previews

White Background



This preview shows how the Yxy color 83.6234, 0.3069, 0.3269 looks on a white background.

Color Contrast Check

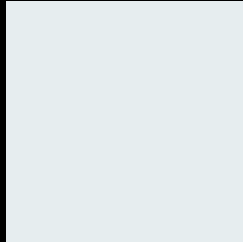
Large Text (above 18pt) WCAG AA × Fail

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 83.6234, 0.3069, 0.3269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

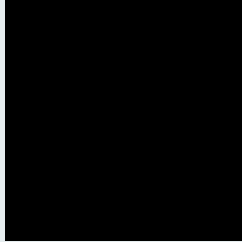
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

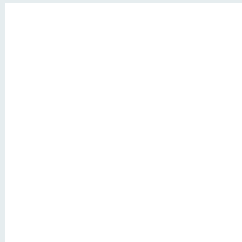
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6234, 0.3069, 0.3269

Background



This preview shows how black text looks on a background with the Yxy color 83.6234, 0.3069, 0.3269.

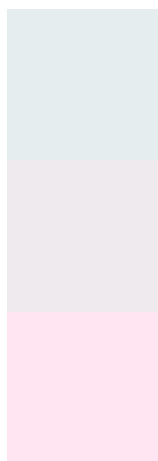


This preview shows how white text looks on a background with the Yxy color 83.6234, 0.3069, 0.3269.

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

83.6234, 0.3069, 0.3269

Protanopia

83.3108, 0.3142, 0.3260

Deuteranopia

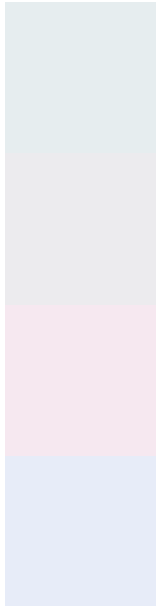
83.6495, 0.3229, 0.3173



Tritanopia

83.6643, 0.2998, 0.3108

Trichromacy



Original Color

83.6234, 0.3069, 0.3269

Protanomaly

83.4226, 0.3115, 0.3259

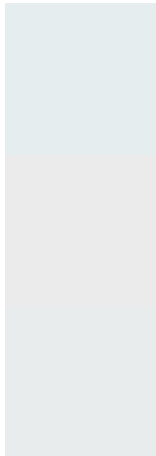
Deuteranomaly

83.5973, 0.3172, 0.3210

Tritanomaly

83.7571, 0.3022, 0.3168

Monochromacy



Original Color

83.6234, 0.3069, 0.3269

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.3707, 0.3107, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6234, 0.3069, 0.3269 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, 237, 239)` looks like.

```
.text, #text, p{  
    color:rgb(230, 237, 239)  
}
```

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, 237, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 237, 239) }
```

Border

The CSS property to change the border of an element to Yxy 83.6234, 0.3069, 0.3269 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, 237, 239) }
```

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

```
.border{ border-color:rgb(230, 237, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 237, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 237, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 237, 239);  
box-shadow:4px 4px 4px 4px rgb(230, 237,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6234, 0.3069, 0.3269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 237, 239) }
```

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

```
.background{ background-color: rgb(230,  
237, 239) }
```

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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