

Converting Colors

$Yxy(83.8304, 0.3066, 0.3278)$

Have a look what the booklet for
Yxy(83.8304, 0.3066, 0.3278)
contains.

Yxy(84.0391, 0.3062, 0.3280)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(84.0391, 0.3062, 0.3280)

Conversions

Conversions Part 1

Format	Color
Hex	E5EEEF
RGB	229, 238, 239
RGB Percent	90%, 93%, 94%
CMY	0.1021, 0.0666, 0.0629
CMYK	0.04, 0.00, 0.00, 0.06
HSL	186°, 24%, 92%
HSV	186°, 4%, 94%
XYZ	78.4536, 84.0391, 93.7241
YIQ	235.4230, -5.6850, -1.5970

Conversions

Conversions Part 2

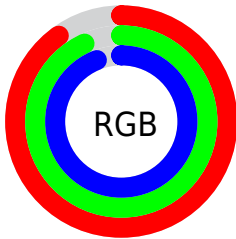
Format	Color
R _Y B	229, 234, 239
Decimal	15068911
CIE Lab	93.47, -2.82, -1.51
CIE LCh	93, 3.200, 208.240
Yxy	84.0391, 0.3062, 0.3280
Android (android.graphics.Color)	4293258991 (0xFFE5EEEF)
YUV	235.4230, 1.7635, -5.6330
Hunter-Lab	91.6728, -7.6673, 3.5543

Details

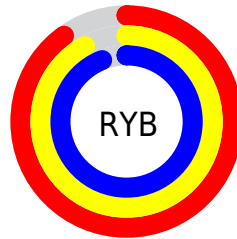
The Yxy color **84.0391, 0.3062, 0.3280** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **80.5428, 0.3196, 0.3300**, and the grayscale version is **83.4029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.8735, 0.3052, 0.3277** is the 20% darker color. If you saturate the color by 10%, you get **79.0670, 0.2910, 0.3255**, and if you desaturate by 10%, it is **89.5760, 0.3218, 0.3303**.

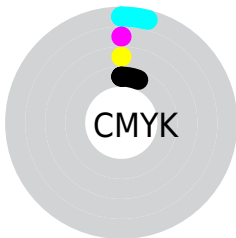
Distribution



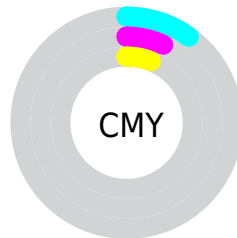
- Red (90%)
- Green (93%)
- Blue (94%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.0391, 0.3062, 0.3280 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 84.0391, 0.3062, 0.3280 by changing the saturation by 10% instead.

■ 84.0391, 0.3062,
0.3280

■ 84.0391, 0.3062,
0.3280

508.4431, 0.3091,
0.3285

■ 63.0477, 0.3055,
0.3279

139.0299, 0.3072,
0.3282

■ 45.8798, 0.3047,
0.3278

173.7980, 0.3076,
0.3282

■ 32.1510, 0.3037,
0.3276

213.9273, 0.3079,
0.3283

■ 21.4769, 0.3025,
0.3274

259.8020, 0.3082,
0.3283

■ 13.4730, 0.3007,
0.3271

311.8065, 0.3085,
0.3284

■ 7.7551, 0.2983,
0.3267

370.3253, 0.3087,

■ 3.9386, 0.2947,

0.3284

0.3260

435.7426, 0.3090,
0.3284

■ 1.6393, 0.2887,
0.3249

■ 0.3839, 0.2459,
0.3189

■ 84.0391, 0.3062,
0.3280

■ 84.0391, 0.3062,
0.3280

■ 79.0670, 0.2910,
0.3255

■ 89.5760, 0.3218,
0.3303

■ 74.6270, 0.2765,
0.3227

■ 91.3263, 0.3231,
0.3325


■ 70.6991, 0.2631,
0.3198

■ 92.6888, 0.3229,
0.3347

■ 67.2580, 0.2510,
0.3167

■ 94.0681, 0.3227,
0.3369

 64.2762, 0.2405,
0.3135


 95.4642, 0.3225,
0.3391


 61.7232, 0.2319,
0.3102

 96.8773, 0.3223,
0.3412

 59.5648, 0.2252,
0.3069

 98.3073, 0.3221,
0.3434

 57.7613, 0.2204,
0.3036

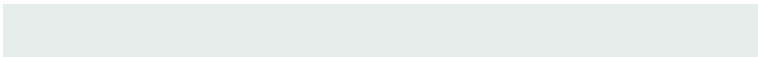
 99.0103, 0.3221,
0.3444

 56.2644, 0.2174,
0.3003

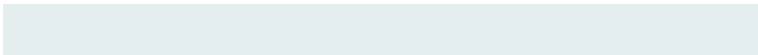
Harmonies

Analogous

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



84.0391, 0.3085, 0.3313



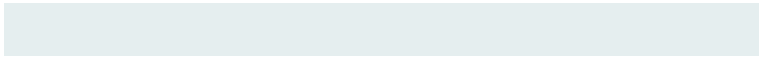
84.0391, 0.3062, 0.3280



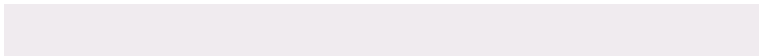
84.0391, 0.3056, 0.3250

Triad

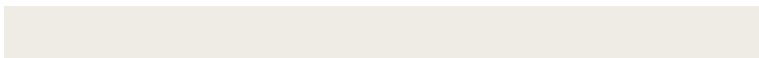
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.0391, 0.3062, 0.3280



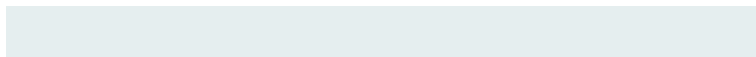
84.0391, 0.3134, 0.3241



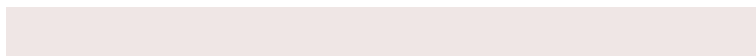
84.0391, 0.3186, 0.3350

Complementary

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



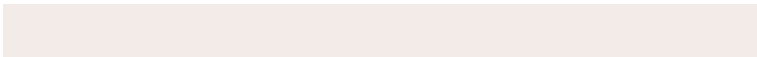
84.0391, 0.3062, 0.3280



80.5428, 0.3196, 0.3300

Split Complementary

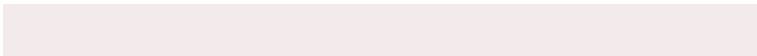
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.0391, 0.3199, 0.3330



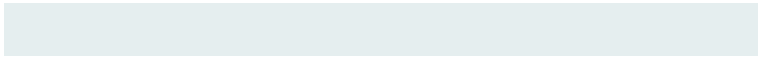
84.0391, 0.3062, 0.3280



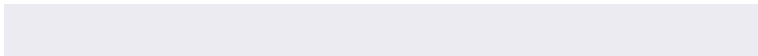
84.0391, 0.3169, 0.3267

Square

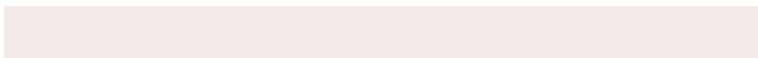
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



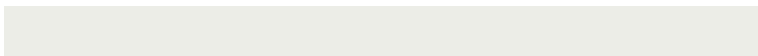
84.0391, 0.3062, 0.3280



84.0391, 0.3098, 0.3228



84.0391, 0.3193, 0.3300



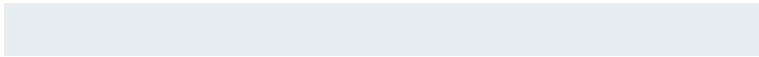
84.0391, 0.3157, 0.3353

Rectangle

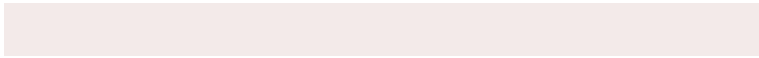
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.0391, 0.3062, 0.3280



84.0391, 0.3063, 0.3236



84.0391, 0.3193, 0.3300



84.0391, 0.3192, 0.3345

Sweetspot

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



84.0427, 0.3062, 0.3280



99.3653, 0.3111, 0.3288



84.0687, 0.3117, 0.3385



21.2750, 0.3112, 0.3288



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

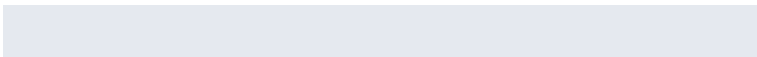
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0427, 0.3062, 0.3280



96.8920, 0.3049, 0.3278



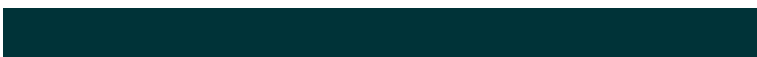
81.2328, 0.3063, 0.3229



18.0741, 0.3039, 0.3276



30.7809, 0.2164, 0.2990



2.6347, 0.2176, 0.3032

Inverse Universe

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



80.5351, 0.3138, 0.3198



92.0555, 0.3140, 0.3179



83.3021, 0.3192, 0.3350



17.0526, 0.3142, 0.3164



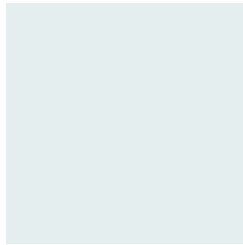
12.9007, 0.3463, 0.1681



1.0807, 0.3426, 0.1661

Previews

White Background



This preview shows how the Yxy color 84.0391, 0.3062, 0.3280 looks on a white background.

Color Contrast Check

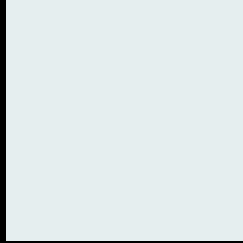
Large Text (above 18pt) WCAG AA × Fail

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 84.0391, 0.3062, 0.3280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

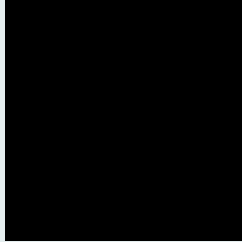
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

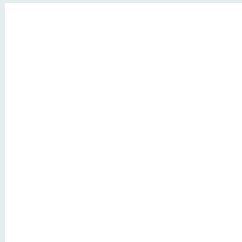
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.0391, 0.3062, 0.3280

Background



This preview shows how black text looks on a background with the Yxy color 84.0391, 0.3062, 0.3280.



This preview shows how white text looks on a background with the Yxy color 84.0391, 0.3062, 0.3280.

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

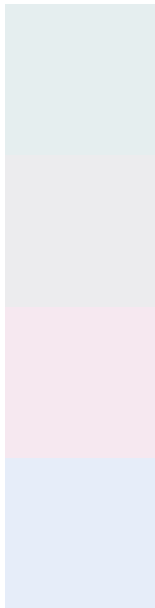




Tritanopia

84.1356, 0.2986, 0.3108

Trichromacy



Original Color

84.0391, 0.3062, 0.3280

Protanomaly

83.9968, 0.3115, 0.3270

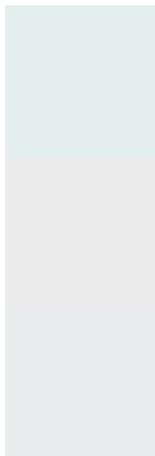
Deuteranomaly

83.5973, 0.3172, 0.3210

Tritanomaly

84.2309, 0.3009, 0.3168

Monochromacy



Original Color

84.0391, 0.3062, 0.3280

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 84.0391, 0.3062, 0.3280 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(229, 238, 239)` looks like.

```
.text, #text, p{  
    color:rgb(229, 238, 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(229, 238, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 238, 239) }
```

Border

The CSS property to change the border of an element to Yxy 84.0391, 0.3062, 0.3280 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(229, 238, 239) }
```

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

```
.border{ border-color:rgb(229, 238, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 238, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 238, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 238, 239);  
box-shadow:4px 4px 4px 4px rgb(229, 238,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 84.0391, 0.3062, 0.3280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 238, 239) }
```

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

```
.background{ background-color: rgb(229,  
238, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor