

Converting Colors

Yxy(83.6883, 0.3007, 0.3228)

Have a look what the booklet for
Yxy(83.6883, 0.3007, 0.3228)
contains.

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Color

Yxy(83.6883, 0.3007, 0.3228)

Conversions

Conversions Part 1

Format	Color
Hex	E1EEF4
RGB	225, 238, 244
RGB Percent	88%, 93%, 96%
CMY	0.1175, 0.0667, 0.0432
CMYK	0.08, 0.02, 0.00, 0.04
HSL	199°, 46%, 92%
HSV	199°, 8%, 96%
XYZ	77.9587, 83.6883, 97.6104
YIQ	234.7970, -9.6740, -0.8900

Conversions

Conversions Part 2

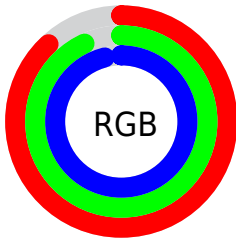
Format	Color
R _Y B	225, 233, 244
Decimal	14806772
CIE Lab	93.31, -3.15, -4.37
CIE LCh	93, 5.388, 234.224
Yxy	83.6883, 0.3007, 0.3228
Android (android.graphics.Color)	4292996852 (0xFFE1EEF4)
YUV	234.7970, 4.5371, -8.5920
Hunter-Lab	91.4813, -7.9778, 0.7746

Details

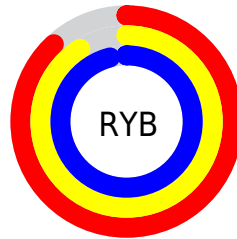
The Yxy color **83.6883, 0.3007, 0.3228** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.8219, 0.3255, 0.3351**, and the grayscale version is **82.8904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6328, 0.2981, 0.3210** is the 20% darker color. If you saturate the color by 10%, you get **75.6607, 0.2852, 0.3141**, and if you desaturate by 10%, it is **92.4748, 0.3162, 0.3307**.

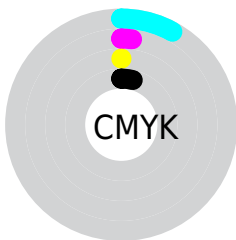
Distribution



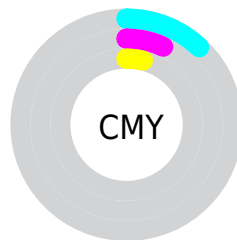
- Red (88%)
- Green (93%)
- Blue (96%)



- Red (88%)
- Yellow (91%)
- Blue (96%)



- Cyan (8%)
- Magenta (2%)
- Yellow (0%)
- Black (4%)



- Cyan (12%)
- Magenta (7%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.6883, 0.3007, 0.3228 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 83.6883, 0.3007, 0.3228 by changing the saturation by 10% instead.

83.6883, 0.3007,
0.3228

83.6883, 0.3007,
0.3228

507.2776, 0.3061,
0.3256

62.7581, 0.2995,
0.3222

138.5391, 0.3025,
0.3238

45.6456, 0.2980,
0.3214

173.2285, 0.3033,
0.3242

31.9662, 0.2962,
0.3204

213.2730, 0.3039,
0.3245

21.3357, 0.2938,
0.3191

259.0572, 0.3045,
0.3248

13.3696, 0.2907,
0.3174

310.9653, 0.3049,
0.3250

7.6835, 0.2863,
0.3150

369.3818, 0.3054,

3.8931, 0.2797,

0.3252

0.3114

434.6911, 0.3058,
0.3255

■ 1.6140, 0.2688,
0.3051

■ 0.3670, 0.2023,
0.2730

■ 83.6883, 0.3007,
0.3228

■ 83.6883, 0.3007,
0.3228

■ 75.6607, 0.2852,
0.3141

■ 92.4748, 0.3162,
0.3307

■ 68.3553, 0.2698,
0.3045

■ 98.2867, 0.3192,
0.3380

■ 61.7479, 0.2550,
0.2941

■ 99.3101, 0.3191,
0.3396

■ 55.8089, 0.2410,
0.2831

■ 50.5057, 0.2283,
0.2715

■ 45.8025, 0.2172,
0.2595

■ 41.6590, 0.2079,
0.2473

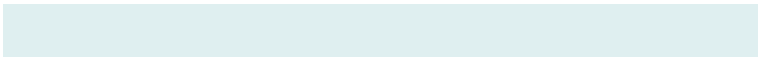
■ 38.0281, 0.2008,
0.2352

■ 34.8471, 0.1957,
0.2233

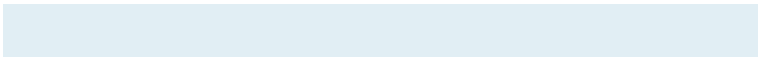
Harmonies

Analogous

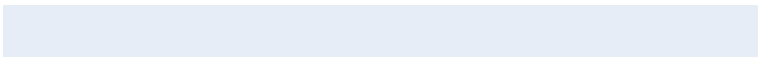
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6883, 0.3021, 0.3280



83.6883, 0.3007, 0.3228



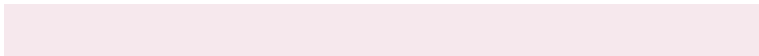
83.6883, 0.3025, 0.3193

Triad

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



83.6883, 0.3007, 0.3228



83.6883, 0.3191, 0.3245



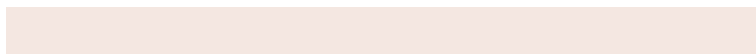
83.6883, 0.3184, 0.3398

Complementary

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



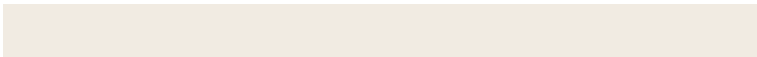
83.6883, 0.3007, 0.3228



81.8219, 0.3255, 0.3351

Split Complementary

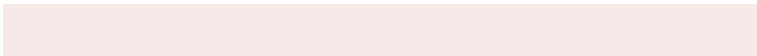
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6883, 0.3231, 0.3387



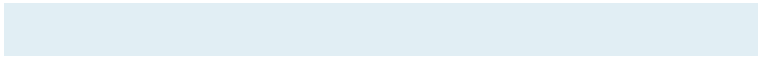
83.6883, 0.3007, 0.3228



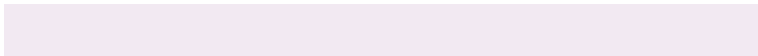
83.6883, 0.3234, 0.3299

Square

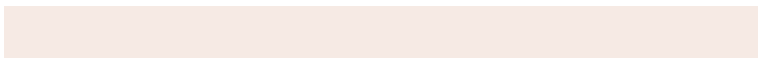
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



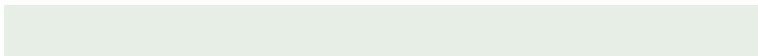
83.6883, 0.3007, 0.3228



83.6883, 0.3130, 0.3204



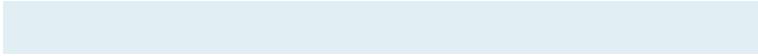
83.6883, 0.3249, 0.3351



83.6883, 0.3123, 0.3379

Rectangle

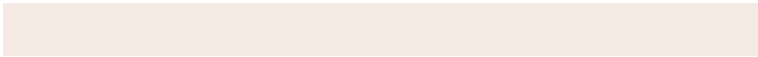
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



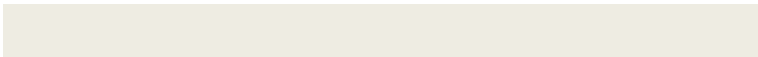
83.6883, 0.3007, 0.3228



83.6883, 0.3052, 0.3184



83.6883, 0.3249, 0.3351



83.6883, 0.3202, 0.3398

Sweetspot

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



83.6918, 0.3007, 0.3228



98.0235, 0.3096, 0.3275



86.4518, 0.3084, 0.3428



21.0019, 0.3098, 0.3275



0.0000, 0.0000, 0.0000



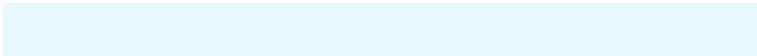
21.4041, 0.3127, 0.3290

Same Dimension

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



83.6918, 0.3007, 0.3228



91.3726, 0.2987, 0.3218



78.4823, 0.3007, 0.3132



17.8247, 0.2980, 0.3214



18.8441, 0.1952, 0.2225



1.8400, 0.1993, 0.2375

Inverse Universe

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



79.2695, 0.3175, 0.3159



85.7639, 0.3183, 0.3137



87.0959, 0.3246, 0.3443



16.6741, 0.3186, 0.3129



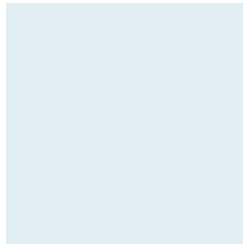
12.0017, 0.4205, 0.2090



1.0734, 0.4049, 0.2004

Previews

White Background



This preview shows how the Yxy color 83.6883, 0.3007, 0.3228 looks on a white background.

Color Contrast Check

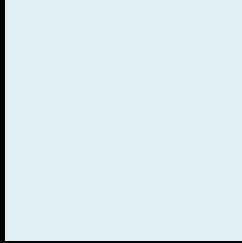
Large Text (above 18pt) WCAG AA × Fail

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 83.6883, 0.3007, 0.3228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

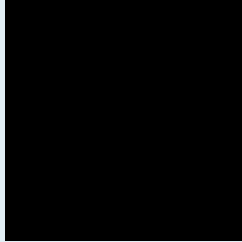
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

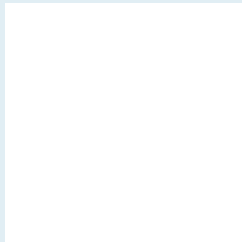
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6883, 0.3007, 0.3228

Background



This preview shows how black text looks on a background with the Yxy color 83.6883, 0.3007, 0.3228.

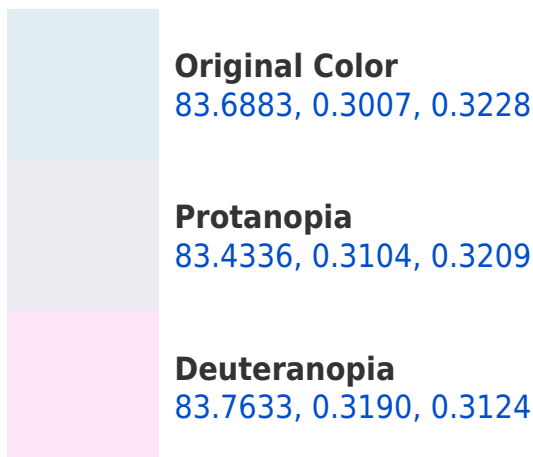


This preview shows how white text looks on a background with the Yxy color 83.6883, 0.3007, 0.3228.

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

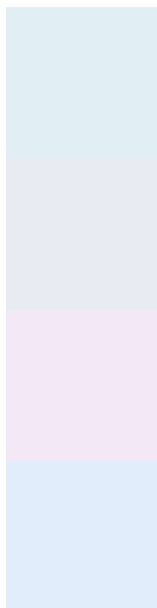




Tritanopia

83.5418, 0.2955, 0.3096

Trichromacy



Original Color

83.6883, 0.3007, 0.3228

Protanomaly

83.2114, 0.3065, 0.3208

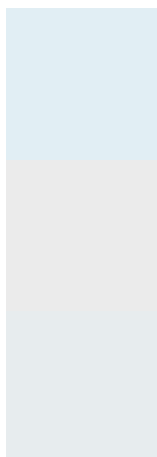
Deuteranomaly

83.3605, 0.3120, 0.3160

Tritanomaly

83.7022, 0.2972, 0.3146

Monochromacy



Original Color

83.6883, 0.3007, 0.3228

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.1529, 0.3082, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6883, 0.3007, 0.3228 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(225, 238, 244)` looks like.

```
.text, #text, p{  
    color:rgb(225, 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(225, 238, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 238, 244) }
```

Border

The CSS property to change the border of an element to Yxy 83.6883, 0.3007, 0.3228 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(225, 238, 244) }
```

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

```
.border{ border-color:rgb(225, 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(225, 238, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 238, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 238, 244); box-shadow:4px 4px 4px 4px rgb(225, 238, 244) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6883, 0.3007, 0.3228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 238, 244) }
```

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

```
.background{ background-color: rgb(225,  
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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