

Converting Colors

$Yxy(83.6637, 0.3083, 0.3226)$

Have a look what the booklet for
Yxy(83.6637, 0.3083, 0.3226)
contains.

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Color

Yxy(83.4896, 0.3084, 0.3219)

Conversions

Conversions Part 1

Format	Color
Hex	EBEBF2
RGB	235, 235, 242
RGB Percent	92%, 92%, 95%
CMY	0.0785, 0.0784, 0.0511
CMYK	0.03, 0.03, 0.00, 0.05
HSL	240°, 21%, 94%
HSV	240°, 3%, 95%
XYZ	79.9882, 83.4896, 95.8872
YIQ	235.7980, -2.2470, 2.1770

Conversions

Conversions Part 2

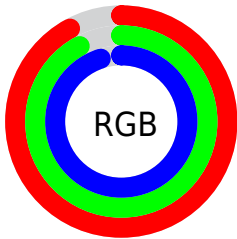
Format	Color
R _Y B	235, 235, 242
Decimal	15461362
CIE Lab	93.23, 1.25, -3.38
CIE LCh	93, 3.603, 290.304
Yxy	83.4896, 0.3084, 0.3219
Android (android.graphics.Color)	4293651442 (0xFFEBEBF2)
YUV	235.7980, 3.0576, -0.6998
Hunter-Lab	91.3726, -3.6421, 1.7414

Details

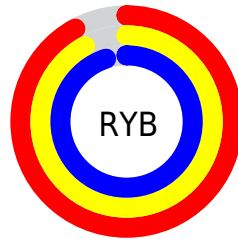
The Yxy color **83.4896, 0.3084, 0.3219** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.3424, 0.3170, 0.3360**, and the grayscale version is **83.6949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.3691, 0.3072, 0.3198** is the 20% darker color. If you saturate the color by 10%, you get **66.7846, 0.2921, 0.2951**, and if you desaturate by 10%, it is **99.1896, 0.3203, 0.3415**.

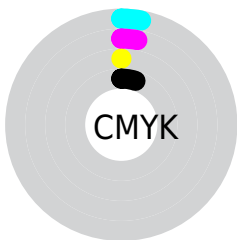
Distribution



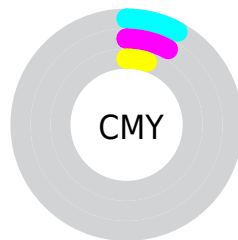
- Red (92%)
- Green (92%)
- Blue (95%)



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



- Cyan (3%)
- Magenta (3%)
- Yellow (0%)
- Black (5%)



- Cyan (8%)
- Magenta (8%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.4896, 0.3084, 0.3219 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 83.4896, 0.3084, 0.3219 by changing the saturation by 10% instead.

83.4896, 0.3084,
0.3219

83.4896, 0.3084,
0.3219

506.6168, 0.3104,
0.3251

62.5941, 0.3080,
0.3212

138.2610, 0.3091,
0.3230

45.5129, 0.3074,
0.3203

172.9057, 0.3093,
0.3234

31.8616, 0.3068,
0.3192

212.9022, 0.3096,
0.3238

21.2558, 0.3059,
0.3178

258.6350, 0.3098,
0.3241

13.3111, 0.3047,
0.3160

310.4885, 0.3099,
0.3244

7.6431, 0.3031,
0.3133

368.8470, 0.3101,

3.8675, 0.3007,

0.3247

0.3094

434.0950, 0.3102,
0.3249

■ 1.5997, 0.2965,
0.3029

■ 0.3574, 0.2736,
0.2642

■ 83.4896, 0.3084,
0.3219

■ 83.4896, 0.3084,
0.3219

■ 66.7846, 0.2921,
0.2951

■ 99.1896, 0.3203,
0.3415

■ 52.4050, 0.2738,
0.2649

■ 40.2510, 0.2536,
0.2317

■ 30.2114, 0.2322,
0.1963

■ 22.1656, 0.2106,
0.1607

■ 15.9807, 0.1903,
0.1271

■ 11.5076, 0.1730,
0.0985

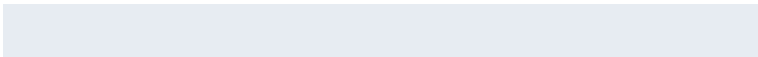
■ 8.5747, 0.1602,
0.0772

■ 6.9743, 0.1527,
0.0646

Harmonies

Analogous

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



83.4896, 0.3056, 0.3227



83.4896, 0.3084, 0.3219



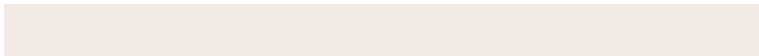
83.4896, 0.3124, 0.3229

Triad

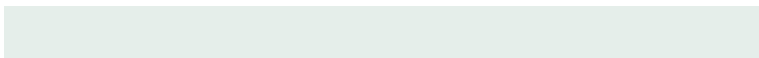
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.4896, 0.3084, 0.3219



83.4896, 0.3209, 0.3327



83.4896, 0.3089, 0.3325

Complementary

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



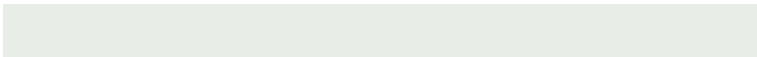
83.4896, 0.3084, 0.3219



88.3424, 0.3170, 0.3360

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.



83.4896, 0.3130, 0.3352



83.4896, 0.3084, 0.3219



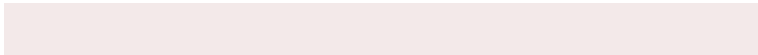
83.4896, 0.3199, 0.3353

Square

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



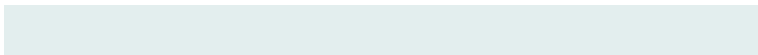
83.4896, 0.3084, 0.3219



83.4896, 0.3196, 0.3291



83.4896, 0.3170, 0.3362



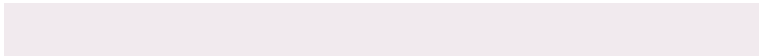
83.4896, 0.3059, 0.3289

Rectangle

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



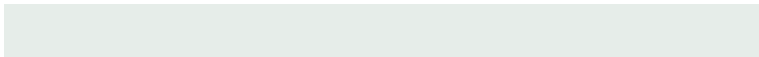
83.4896, 0.3084, 0.3219



83.4896, 0.3152, 0.3246



83.4896, 0.3170, 0.3362



83.4896, 0.3102, 0.3336

Sweetspot

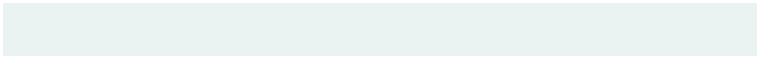
The Sweet Spot groups the original color and five complimentary colors.



83.4932, 0.3084, 0.3219



97.9115, 0.3112, 0.3266



87.5540, 0.3083, 0.3291



20.9791, 0.3113, 0.3267



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.



83.4932, 0.3084, 0.3219



93.8175, 0.3082, 0.3216



84.0543, 0.3106, 0.3219



17.2809, 0.3070, 0.3197



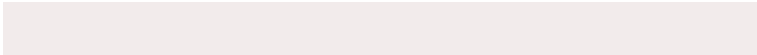
3.4642, 0.1501, 0.0603



0.2927, 0.1503, 0.0612

Inverse Universe

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



84.2774, 0.3174, 0.3290



94.7352, 0.3176, 0.3290



87.7703, 0.3147, 0.3361



17.4963, 0.3189, 0.3290



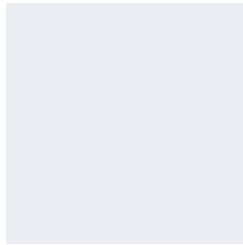
10.1431, 0.6395, 0.3297



0.8443, 0.6381, 0.3289

Previews

White Background



This preview shows how the Yxy color 83.4896, 0.3084, 0.3219 looks on a white background.

Color Contrast Check

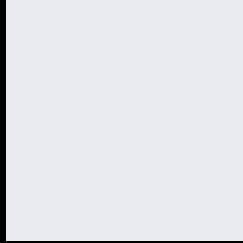
Large Text (above 18pt) WCAG AA × Fail

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 83.4896, 0.3084, 0.3219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

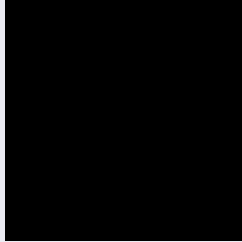
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

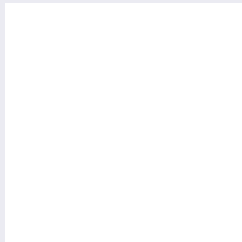
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.4896, 0.3084, 0.3219

Background



This preview shows how black text looks on a background with the Yxy color 83.4896, 0.3084, 0.3219.

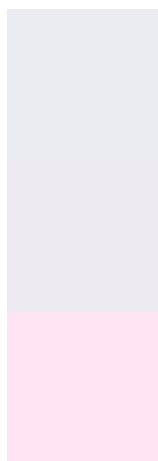


This preview shows how white text looks on a background with the Yxy color 83.4896, 0.3084, 0.3219.

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

83.4896, 0.3084, 0.3219

Protanopia

83.3737, 0.3110, 0.3219

Deuteranopia

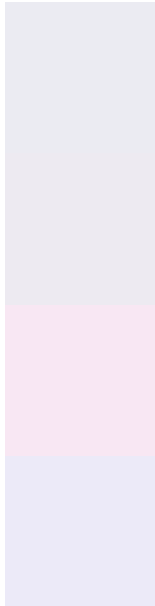
83.2179, 0.3217, 0.3143



Tritanopia

83.3106, 0.3037, 0.3099

Trichromacy



Original Color

83.4896, 0.3084, 0.3219

Protanomaly

83.2010, 0.3104, 0.3219

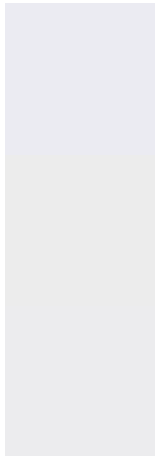
Deuteranomaly

83.5794, 0.3167, 0.3171

Tritanomaly

83.4558, 0.3054, 0.3149

Monochromacy



Original Color

83.4896, 0.3084, 0.3219

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.9968, 0.3115, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4896, 0.3084, 0.3219 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, 235, 242)` looks like.

```
.text, #text, p{  
    color:rgb(235, 235, 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(235, 235, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 235, 242) }
```

Border

The CSS property to change the border of an element to Yxy 83.4896, 0.3084, 0.3219 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, 235, 242) }
```

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

```
.border{ border-color:rgb(235, 235, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 235, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 235, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 235, 242);  
box-shadow:4px 4px 4px 4px rgb(235, 235,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4896, 0.3084, 0.3219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 235, 242) }
```

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

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