

Converting Colors

Yxy(83.3100, 0.3168, 0.3390)

Have a look what the booklet for
Yxy(83.3100, 0.3168, 0.3390)
contains.

Yxy(83.6068, 0.3169, 0.3393)	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(83.6068, 0.3169, 0.3393)

Conversions

Conversions Part 1

Format	Color
Hex	EADEE3
RGB	234, 237, 227
RGB Percent	92%, 93%, 89%
CMY	0.0823, 0.0706, 0.1097
CMYK	0.01, 0.00, 0.04, 0.07
HSL	78°, 22%, 91%
HSV	78°, 4%, 93%
XYZ	78.0872, 83.6068, 84.7156
YIQ	234.9630, 1.4220, -3.7460

Conversions

Conversions Part 2

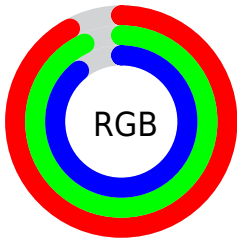
Format	Color
R _Y B	227, 237, 230
Decimal	15396323
CIE Lab	93.28, -2.74, 4.46
CIE LCh	93, 5.237, 121.540
Yxy	83.6068, 0.3169, 0.3393
Android (android.graphics.Color)	4293586403 (0xFFEAEDE3)
YUV	234.9630, -3.9258, -0.8446
Hunter-Lab	91.4368, -7.5749, 9.0739

Details

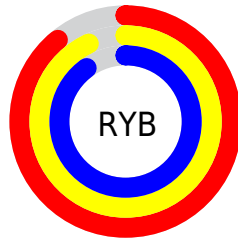
The Yxy color **83.6068, 0.3169, 0.3393** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **77.8945, 0.3084, 0.3186**, and the grayscale version is **83.0826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4913, 0.3173, 0.3410** is the 20% darker color. If you saturate the color by 10%, you get **81.2130, 0.3270, 0.3650**, and if you desaturate by 10%, it is **86.2361, 0.3070, 0.3153**.

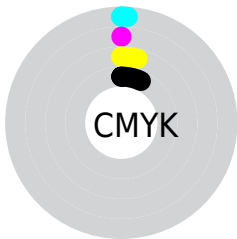
Distribution



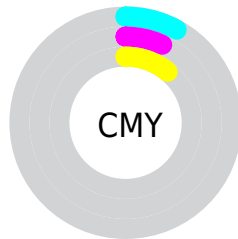
- Red (92%)
- Green (93%)
- Blue (89%)



- Red (89%)
- Yellow (93%)
- Blue (90%)



- Cyan (1%)
- Magenta (0%)
- Yellow (4%)
- Black (7%)



- Cyan (8%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.6068, 0.3169, 0.3393 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 83.6068, 0.3169, 0.3393 by changing the saturation by 10% instead.

83.6068, 0.3169,
0.3393

83.6068, 0.3169,
0.3393

507.0066, 0.3150,
0.3346

62.6909, 0.3173,
0.3403

138.4250, 0.3163,
0.3377

45.5912, 0.3178,
0.3416

173.0961, 0.3160,
0.3371

31.9233, 0.3185,
0.3432

213.1210, 0.3158,
0.3365

21.3029, 0.3193,
0.3453

258.8841, 0.3156,
0.3361

13.3456, 0.3204,
0.3481

310.7698, 0.3154,
0.3356

7.6670, 0.3219,
0.3521

369.1625, 0.3153,

3.8826, 0.3241,

0.3353

0.3581

434.4467, 0.3151,
0.3349

■ 1.6081, 0.3278,
0.3684

■ 0.3631, 0.3840,
0.5011

■ 83.6068, 0.3169,
0.3393

■ 83.6068, 0.3169,
0.3393

■ 81.2130, 0.3270,
0.3650

■ 86.2361, 0.3070,
0.3153

■ 79.0359, 0.3370,
0.3920

■ 87.7821, 0.3091,
0.3114

■ 77.0709, 0.3465,
0.4197

■ 89.0479, 0.3135,
0.3117

■ 75.3089, 0.3552,
0.4471

■ 73.7402, 0.3624,
0.4734

■ 72.3541, 0.3676,
0.4970

■ 71.1386, 0.3705,
0.5170

■ 70.0800, 0.3708,
0.5324

■ 69.1614, 0.3687,
0.5428

Harmonies

Analogous

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



83.6068, 0.3219, 0.3390



83.6068, 0.3169, 0.3393



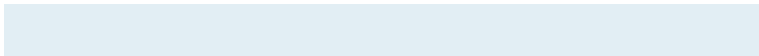
83.6068, 0.3108, 0.3368

Triad

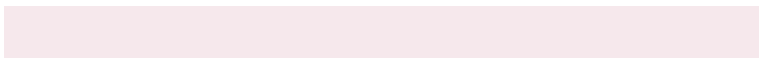
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6068, 0.3169, 0.3393



83.6068, 0.3012, 0.3220



83.6068, 0.3202, 0.3258

Complementary

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



83.6068, 0.3169, 0.3393



77.8945, 0.3084, 0.3186

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.



83.6068, 0.3145, 0.3214



83.6068, 0.3169, 0.3393



83.6068, 0.3036, 0.3191

Square

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



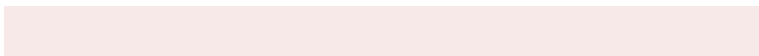
83.6068, 0.3169, 0.3393



83.6068, 0.3018, 0.3267



83.6068, 0.3085, 0.3190



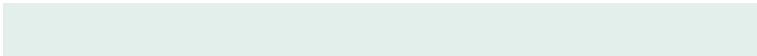
83.6068, 0.3238, 0.3312

Rectangle

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



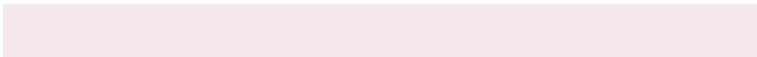
83.6068, 0.3169, 0.3393



83.6068, 0.3070, 0.3339



83.6068, 0.3085, 0.3190



83.6068, 0.3184, 0.3242

Sweetspot

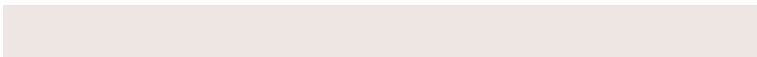
The Sweet Spot groups the original color and five complimentary colors.



83.6104, 0.3169, 0.3393



99.6923, 0.3137, 0.3314



80.0648, 0.3194, 0.3319



21.3415, 0.3137, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

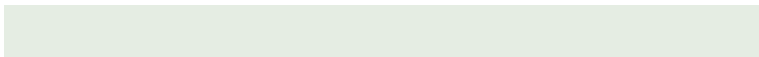
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6104, 0.3169, 0.3393



98.4890, 0.3177, 0.3413



82.8049, 0.3137, 0.3394



17.5820, 0.3184, 0.3430



37.5678, 0.3675, 0.5464



2.9996, 0.3748, 0.5406

Inverse Universe

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



77.8945, 0.3084, 0.3186



90.4782, 0.3076, 0.3166



78.7038, 0.3117, 0.3187



15.9689, 0.3069, 0.3149



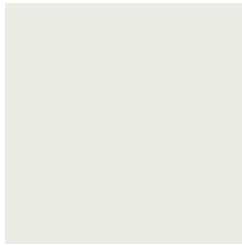
4.1284, 0.1702, 0.0711



0.3726, 0.1849, 0.0792

Previews

White Background



This preview shows how the Yxy color 83.6068, 0.3169, 0.3393 looks on a white background.

Color Contrast Check

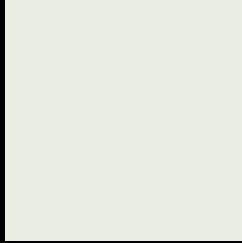
Large Text (above 18pt) WCAG AA × Fail

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 83.6068, 0.3169, 0.3393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

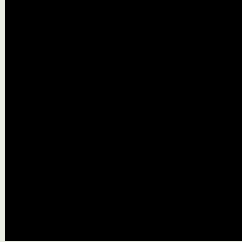
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

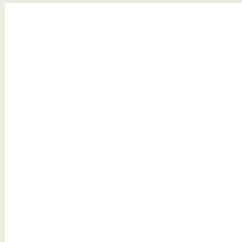
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6068, 0.3169, 0.3393

Background



This preview shows how black text looks on a background with the Yxy color 83.6068, 0.3169, 0.3393.

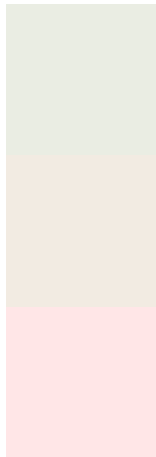


This preview shows how white text looks on a background with the Yxy color 83.6068, 0.3169, 0.3393.

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

83.6068, 0.3169, 0.3393

Protanopia

83.7849, 0.3231, 0.3382

Deuteranopia

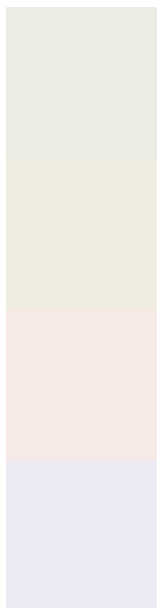
83.6232, 0.3294, 0.3281



Tritanopia

83.4832, 0.3043, 0.3100

Trichromacy



Original Color

83.6068, 0.3169, 0.3393

Protanomaly

83.8326, 0.3210, 0.3393

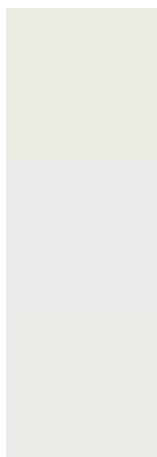
Deuteranomaly

83.7652, 0.3242, 0.3321

Tritanomaly

83.3212, 0.3091, 0.3199

Monochromacy



Original Color

83.6068, 0.3169, 0.3393

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.4793, 0.3145, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6068, 0.3169, 0.3393 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(234, 237, 227) looks like.

```
.text, #text, p{  
    color:rgb(234, 237, 227)  
}
```

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(234, 237, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 237, 227) }
```

Border

The CSS property to change the border of an element to Yxy 83.6068, 0.3169, 0.3393 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(234, 237, 227) }
```

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

```
.border{ border-color:rgb(234, 237, 227) }
```

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

Here you see how a box with a 4 pixel rgb(234, 237, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 237, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 237, 227);  
box-shadow:4px 4px 4px 4px rgb(234, 237,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6068, 0.3169, 0.3393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 237, 227) }
```

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

```
.background{ background-color: rgb(234,  
237, 227) }
```

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