

Converting Colors

$Y_{xy}(85.8552, 0.3170, 0.3402)$

Have a look what the booklet for
Yxy(85.8552, 0.3170, 0.3402)
contains.

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Color

Yxy(85.8102, 0.3168, 0.3403)

Conversions

Conversions Part 1

Format	Color
Hex	ECF0E5
RGB	236, 240, 229
RGB Percent	93%, 94%, 90%
CMY	0.0746, 0.0588, 0.1020
CMYK	0.02, 0.00, 0.05, 0.06
HSL	82°, 27%, 92%
HSV	82°, 5%, 94%
XYZ	79.8844, 85.8102, 86.4658
YIQ	237.5500, 1.1470, -4.2690

Conversions

Conversions Part 2

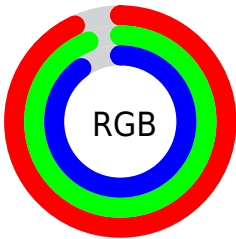
Format	Color
R _{YB}	229, 240, 233
Decimal	15528165
CIE Lab	94.23, -3.28, 4.85
CIE LCh	94, 5.850, 124.060
Yxy	85.8102, 0.3168, 0.3403
Android (android.graphics.Color)	4293718245 (0xFFE0E5)
YUV	237.5500, -4.2151, -1.3593
Hunter-Lab	92.6338, -8.1764, 9.5015

Details

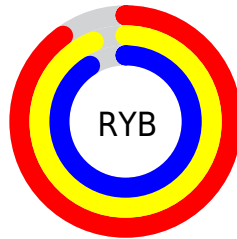
The Yxy color **85.8102, 0.3168, 0.3403** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.6488, 0.3085, 0.3176**, and the grayscale version is **85.1647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.0403, 0.3172, 0.3422** is the 20% darker color. If you saturate the color by 10%, you get **83.0945, 0.3258, 0.3662**, and if you desaturate by 10%, it is **88.7930, 0.3080, 0.3163**.

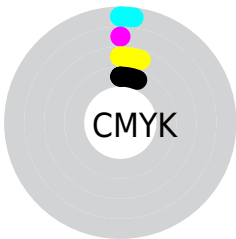
Distribution



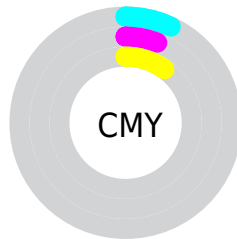
- Red (93%)
- Green (94%)
- Blue (90%)



- Red (90%)
- Yellow (94%)
- Blue (91%)



- Cyan (2%)
- Magenta (0%)
- Yellow (5%)
- Black (6%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.8102, 0.3168, 0.3403 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 85.8102, 0.3168, 0.3403 by changing the saturation by 10% instead.

 85.8102, 0.3168,
0.3403

 85.8102, 0.3168,
0.3403


514.3052, 0.3150,
0.3352

 64.5110, 0.3172,
0.3414


141.5046, 0.3162,
0.3386

 47.0647, 0.3177,
0.3428

176.6686, 0.3159,
0.3379

 33.0868, 0.3183,
0.3446


217.2231, 0.3157,
0.3373

 22.1930, 0.3191,
0.3468


263.5523, 0.3155,
0.3368

 13.9987, 0.3201,
0.3499

316.0407, 0.3154,
0.3363

 8.1198, 0.3215,
0.3541

375.0727, 0.3152,

 4.1717, 0.3236,

0.3359

0.3605

441.0328, 0.3151,
0.3355

■ 1.7701, 0.3270,
0.3713

■ 0.4684, 0.3635,
0.4662

■ 85.8102, 0.3168,
0.3403

■ 85.8102, 0.3168,
0.3403

■ 83.0945, 0.3258,
0.3662

■ 88.7930, 0.3080,
0.3163

■ 80.6261, 0.3346,
0.3937

■ 90.5422, 0.3125,
0.3146

■ 78.3996, 0.3429,
0.4220

■ 90.8105, 0.3134,
0.3146

■ 76.4052, 0.3503,
0.4505

■ 74.6323, 0.3562,
0.4778

■ 73.0693, 0.3602,
0.5027

■ 71.7032, 0.3619,
0.5238

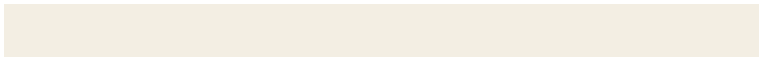
■ 70.5190, 0.3611,
0.5403

■ 69.4987, 0.3578,
0.5516

Harmonies

Analogous

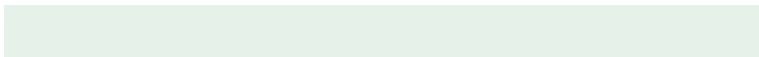
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8102, 0.3225, 0.3402



85.8102, 0.3168, 0.3403



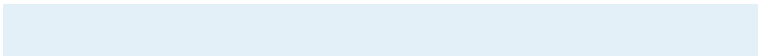
85.8102, 0.3101, 0.3373

Triad

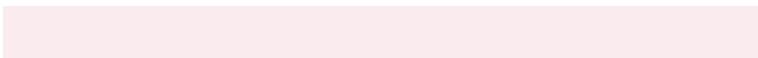
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.8102, 0.3168, 0.3403



85.8102, 0.3000, 0.3208



85.8102, 0.3214, 0.3260

Complementary

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



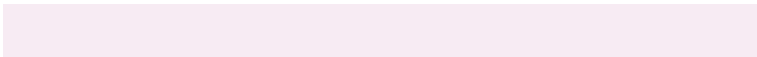
85.8102, 0.3168, 0.3403



79.6488, 0.3085, 0.3176

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.



85.8102, 0.3153, 0.3209



85.8102, 0.3168, 0.3403



85.8102, 0.3030, 0.3179

Square

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



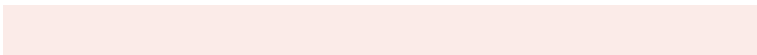
85.8102, 0.3168, 0.3403



85.8102, 0.3004, 0.3260



85.8102, 0.3086, 0.3180



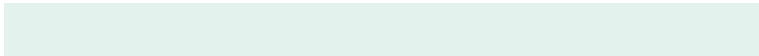
85.8102, 0.3252, 0.3319

Rectangle

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



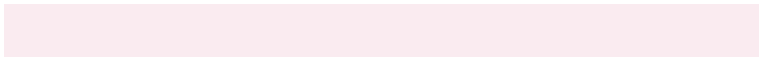
85.8102, 0.3168, 0.3403



85.8102, 0.3059, 0.3340



85.8102, 0.3086, 0.3180



85.8102, 0.3195, 0.3241

Sweetspot

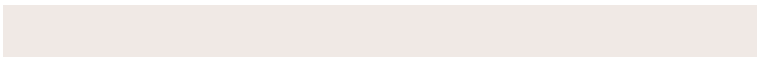
The Sweet Spot groups the original color and five complimentary colors.



85.8139, 0.3168, 0.3403



99.6598, 0.3136, 0.3314



82.4777, 0.3200, 0.3332



21.3349, 0.3136, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

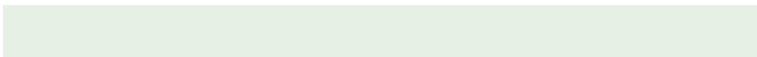
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8139, 0.3168, 0.3403



98.0043, 0.3181, 0.3439



84.8844, 0.3131, 0.3404



18.3209, 0.3186, 0.3454



37.8444, 0.3564, 0.5552



3.2045, 0.3647, 0.5487

Inverse Universe

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



79.6488, 0.3085, 0.3176



88.8326, 0.3071, 0.3140



80.5919, 0.3122, 0.3178



16.4357, 0.3065, 0.3124



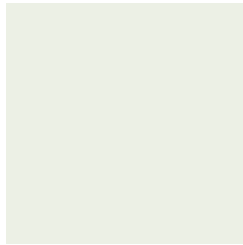
4.6500, 0.1794, 0.0762



0.4414, 0.1939, 0.0842

Previews

White Background



This preview shows how the Yxy color 85.8102, 0.3168, 0.3403 looks on a white background.

Color Contrast Check

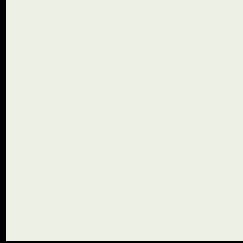
Large Text (above 18pt) WCAG AA × Fail

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 85.8102, 0.3168, 0.3403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

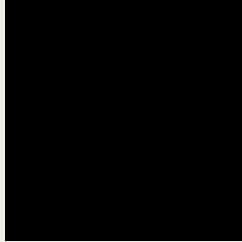
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

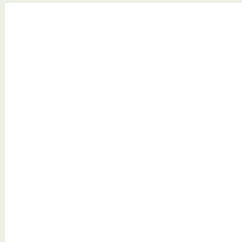
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.8102, 0.3168, 0.3403

Background



This preview shows how black text looks on a background with the Yxy color 85.8102, 0.3168, 0.3403.

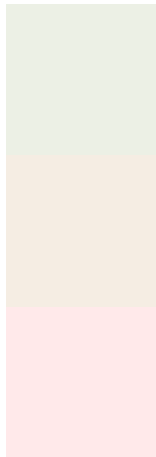


This preview shows how white text looks on a background with the Yxy color 85.8102, 0.3168, 0.3403.

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

85.8102, 0.3168, 0.3403

Protanopia

85.5269, 0.3244, 0.3391

Deuteranopia

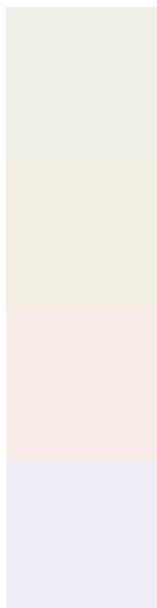
85.4783, 0.3271, 0.3281



Tritanopia

85.7362, 0.3038, 0.3101

Trichromacy



Original Color

85.8102, 0.3168, 0.3403

Protanomaly

85.6278, 0.3216, 0.3392

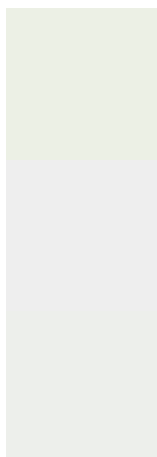
Deuteranomaly

85.7736, 0.3233, 0.3330

Tritanomaly

85.5729, 0.3085, 0.3200

Monochromacy



Original Color

85.8102, 0.3168, 0.3403

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.7357, 0.3138, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.8102, 0.3168, 0.3403 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(236, 240, 229)` looks like.

```
.text, #text, p{  
    color:rgb(236, 240, 229)  
}
```

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(236, 240, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 240, 229) }
```

Border

The CSS property to change the border of an element to Yxy 85.8102, 0.3168, 0.3403 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(236, 240, 229) }
```

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

```
.border{ border-color:rgb(236, 240, 229) }
```

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

Here you see how a box with a 4 pixel rgb(236, 240, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 240, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 240, 229);  
box-shadow:4px 4px 4px 4px rgb(236, 240,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8102, 0.3168, 0.3403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 240, 229) }
```

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

```
.background{ background-color: rgb(236,  
240, 229) }
```

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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