

Converting Colors

$Yxy(85.6680, 0.3403, 0.3836)$

Have a look what the booklet for
Yxy(85.6680, 0.3403, 0.3836)
contains.

Yxy(85.6956, 0.3402, 0.3833)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(85.6956, 0.3402, 0.3833)

Conversions

Conversions Part 1

Format	Color
Hex	ECF3BF
RGB	236, 243, 191
RGB Percent	93%, 95%, 75%
CMY	0.0743, 0.0471, 0.2510
CMYK	0.03, 0.00, 0.21, 0.05
HSL	68°, 68%, 85%
HSV	68°, 21%, 95%
XYZ	76.0596, 85.6956, 61.8180
YIQ	234.9790, 12.5200, -17.6560

Conversions

Conversions Part 2

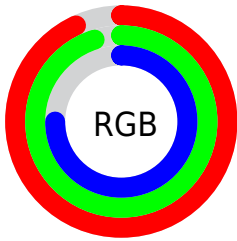
Format	Color
RYB	191, 243, 198
Decimal	15528895
CIELab	94.18, -10.72, 24.36
CIELCh	94, 26.615, 113.750
Yxy	85.6956, 0.3402, 0.3833
Android (android.graphics.Color)	4293718975 (0xFFECEF3BF)
YUV	234.9790, -21.6816, 0.8954
Hunter-Lab	92.5719, -15.3404, 25.2075

Details

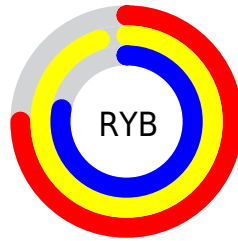
The Yxy color **85.6956, 0.3402, 0.3833** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **55.7259, 0.2815, 0.2701**, and the grayscale version is **83.2297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.5573, 0.3168, 0.3357**, and **47.0501, 0.3462, 0.3962** is the 20% darker color. If you saturate the color by 10%, you get **84.1669, 0.3529, 0.4095**, and if you desaturate by 10%, it is **87.4194, 0.3272, 0.3574**.

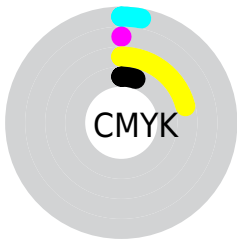
Distribution



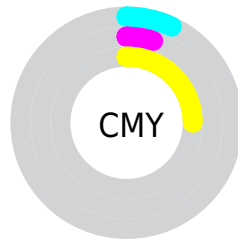
- Red (93%)
- Green (95%)
- Blue (75%)



- Red (75%)
- Yellow (95%)
- Blue (78%)



- Cyan (3%)
- Magenta (0%)
- Yellow (21%)
- Black (5%)




- Cyan (7%)
- Magenta (5%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.6956, 0.3402, 0.3833 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 85.6956, 0.3402, 0.3833 by changing the saturation by 10% instead.

 85.6956, 0.3402,
0.3833

 85.6956, 0.3402,
0.3833


513.9270, 0.3282,
0.3585

 64.4163, 0.3428,
0.3889


 141.3446, 0.3362,
0.3748

 46.9879, 0.3459,
0.3957


176.4831, 0.3346,
0.3714

 33.0261, 0.3496,
0.4043


217.0102, 0.3332,
0.3685

 22.1464, 0.3543,
0.4153

263.3101, 0.3319,
0.3660

 13.9645, 0.3601,
0.4300

315.7674, 0.3308,
0.3638

 8.0960, 0.3676,
0.4505

374.7663, 0.3298,

 4.1564, 0.3770,

0.3618

0.4804

440.6914, 0.3290,
0.3600

■ 1.7615, 0.4225,
0.5754

■ 0.4630, 0.2781,
0.7219

■ 85.6956, 0.3402,
0.3833

■ 85.6956, 0.3402,
0.3833

■ 84.1669, 0.3529,
0.4095

■ 87.4194, 0.3272,
0.3574

■ 82.8132, 0.3649,
0.4351

■ 89.3352, 0.3145,
0.3324


■ 81.6287, 0.3756,
0.4590


■ 90.8683, 0.3074,
0.3173

■ 80.6029, 0.3845,
0.4803


■ 91.4588, 0.3094,
0.3174


 79.7241, 0.3910,
0.4979

 92.0595, 0.3115,
0.3174

 78.9789, 0.3949,
0.5111

 92.5756, 0.3133,
0.3175

 78.3510, 0.3962,
0.5197

 77.8830, 0.3956,
0.5241

Harmonies

Analogous

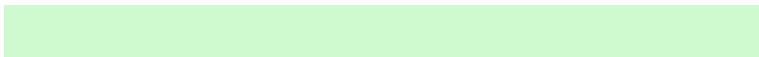
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6956, 0.3636, 0.3756



85.6956, 0.3402, 0.3833



85.6956, 0.3102, 0.3749

Triad

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



85.6956, 0.3402, 0.3833



85.6956, 0.2557, 0.2976



85.6956, 0.3433, 0.3070

Complementary

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



85.6956, 0.3402, 0.3833



55.7259, 0.2815, 0.2701

Split Complementary

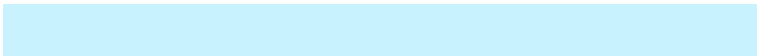
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.6956, 0.3130, 0.2884



85.6956, 0.3402, 0.3833



85.6956, 0.2634, 0.2822

Square

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



85.6956, 0.3402, 0.3833



85.6956, 0.2622, 0.3231



85.6956, 0.2839, 0.2793



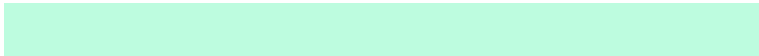
85.6956, 0.3658, 0.3312

Rectangle

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



85.6956, 0.3402, 0.3833



85.6956, 0.2906, 0.3609



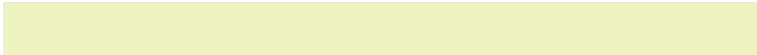
85.6956, 0.2839, 0.2793



85.6956, 0.3336, 0.2999

Sweetspot

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



85.6994, 0.3402, 0.3833



98.6685, 0.3203, 0.3438



63.1693, 0.3545, 0.3366



21.0891, 0.3212, 0.3454



0.0000, 0.0000, 0.0000



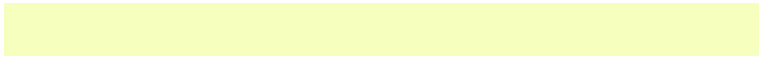
21.4041, 0.3127, 0.3290

Same Dimension

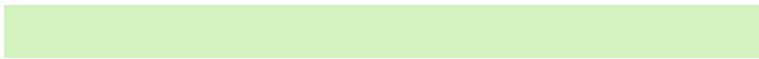
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.6994, 0.3402, 0.3833



94.8025, 0.3462, 0.3955



81.5673, 0.3224, 0.3865



19.1950, 0.3248, 0.3525



42.7918, 0.3960, 0.5238



3.7914, 0.3991, 0.5213

Inverse Universe

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



55.7259, 0.2815, 0.2701



55.4299, 0.2736, 0.2555



59.5651, 0.3007, 0.2733



16.0326, 0.3000, 0.3047



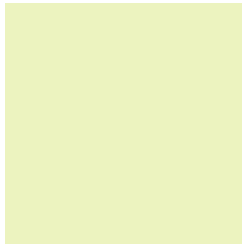
3.7560, 0.1551, 0.0628



0.3626, 0.1640, 0.0677

Previews

White Background



This preview shows how the Yxy color 85.6956, 0.3402, 0.3833 looks on a white background.

Color Contrast Check

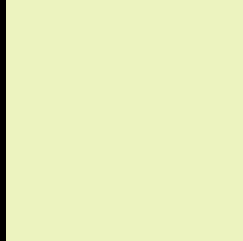
Large Text (above 18pt) WCAG AA × Fail

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 85.6956, 0.3402, 0.3833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

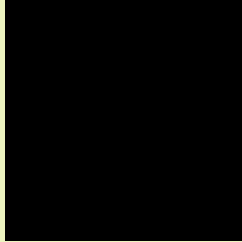
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

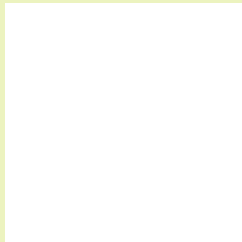
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.6956, 0.3402, 0.3833

Background



This preview shows how black text looks on a background with the Yxy color 85.6956, 0.3402, 0.3833.

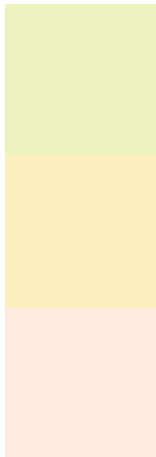


This preview shows how white text looks on a background with the Yxy color 85.6956, 0.3402, 0.3833.

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

85.6956, 0.3402, 0.3833

Protanopia

85.7058, 0.3545, 0.3785

Deuteranopia

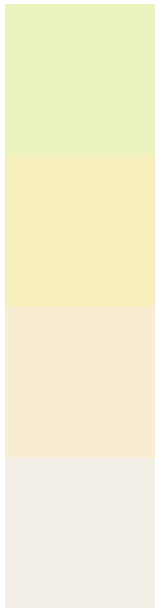
85.3261, 0.3355, 0.3420



Tritanopia

85.9210, 0.3083, 0.3113

Trichromacy



Original Color

85.6956, 0.3402, 0.3833

Protanomaly

85.8120, 0.3491, 0.3801

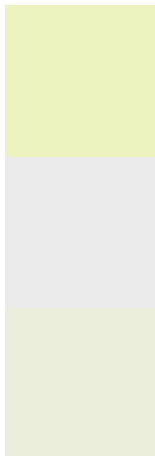
Deuteranomaly

85.1780, 0.3374, 0.3564

Tritanomaly

85.7395, 0.3203, 0.3371

Monochromacy



Original Color

85.6956, 0.3402, 0.3833

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.9257, 0.3225, 0.3487

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6956, 0.3402, 0.3833 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, 243, 191)` looks like.

```
.text, #text, p{  
    color:rgb(236, 243, 191)  
}
```

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, 243, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 243, 191) }
```

Border

The CSS property to change the border of an element to Yxy 85.6956, 0.3402, 0.3833 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, 243, 191) }
```

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

```
.border{ border-color:rgb(236, 243, 191) }
```

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

Here you see how a box with a 4 pixel rgb(236, 243, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 243, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 243, 191);  
box-shadow:4px 4px 4px 4px rgb(236, 243,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6956, 0.3402, 0.3833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 243, 191) }
```

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

```
.background{ background-color: rgb(236,  
243, 191) }
```

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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