

Converting Colors

$Yxy(85.1046, 0.3452, 0.3904)$

Have a look what the booklet for
Yxy(85.1046, 0.3452, 0.3904)
contains.

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Color

Yxy(84.9695, 0.3454, 0.3896)

Conversions

Conversions Part 1

Format	Color
Hex	EDF2B8
RGB	237, 242, 184
RGB Percent	93%, 95%, 72%
CMY	0.0706, 0.0510, 0.2783
CMYK	0.02, 0.00, 0.24, 0.05
HSL	65°, 69%, 84%
HSV	65°, 24%, 95%
XYZ	75.3297, 84.9695, 57.7950
YIQ	233.8930, 15.6380, -19.0980

Conversions

Conversions Part 2

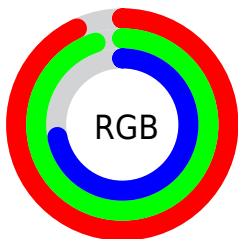
Format	Color
RYB	184, 242, 189
Decimal	15594168
CIELab	93.87, -10.86, 27.50
CIELCh	94, 29.564, 111.558
Yxy	84.9695, 0.3454, 0.3896
Android (android.graphics.Color)	4293784248 (0xFFEDF2B8)
YUV	233.8930, -24.5972, 2.7248
Hunter-Lab	92.1789, -15.4407, 27.3512

Details

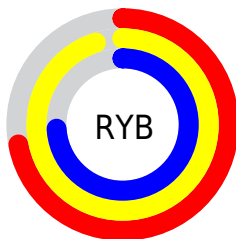
The Yxy color **84.9695, 0.3454, 0.3896** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **51.5307, 0.2753, 0.2618**, and the grayscale version is **82.3783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0713, 0.3214, 0.3434**, and **46.5803, 0.3521, 0.4029** is the 20% darker color. If you saturate the color by 10%, you get **83.6853, 0.3588, 0.4153**, and if you desaturate by 10%, it is **86.4391, 0.3316, 0.3638**.

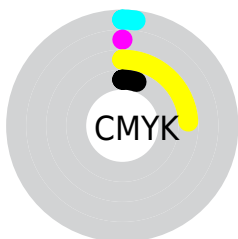
Distribution



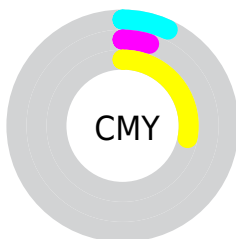
- Red (93%)
- Green (95%)
- Blue (72%)



- Red (72%)
- Yellow (95%)
- Blue (74%)



- Cyan (2%)
- Magenta (0%)
- Yellow (24%)
- Black (5%)





- Cyan (7%)
- Magenta (5%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.9695, 0.3454, 0.3896 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 84.9695, 0.3454, 0.3896 by changing the saturation by 10% instead.


 84.9695, 0.3454,
0.3896

 84.9695, 0.3454,
0.3896


511.5271, 0.3311,
0.3619

 63.8162, 0.3484,
0.3958


 140.3306, 0.3406,
0.3801

 46.5018, 0.3521,
0.4034

175.3071, 0.3387,
0.3763

 32.6420, 0.3565,
0.4130


215.6601, 0.3370,
0.3731

 21.8523, 0.3620,
0.4252

261.7741, 0.3356,
0.3703

 13.7484, 0.3688,
0.4414

314.0334, 0.3343,
0.3678

 7.9459, 0.3773,
0.4638

372.8224, 0.3331,

 4.0604, 0.3875,

0.3656

0.4959

438.5255, 0.3320,
0.3636

■ 1.7074, 0.4218,
0.5782

■ 0.4284, 0.2490,
0.7510

■ 84.9695, 0.3454,
0.3896

■ 84.9695, 0.3454,
0.3896

■ 83.6853, 0.3588,
0.4153

■ 86.4391, 0.3316,
0.3638

■ 82.5663, 0.3714,
0.4399


■ 88.0909, 0.3180,
0.3387


■ 81.6067, 0.3826,
0.4624

■ 89.8308, 0.3058,
0.3162

■ 80.7958, 0.3917,
0.4819


■ 90.2057, 0.3071,
0.3163

 80.1217, 0.3984,
0.4974


 90.5850, 0.3084,
0.3163

 79.5705, 0.4025,
0.5084

 90.9685, 0.3098,
0.3164

 79.1255, 0.4040,
0.5150

 91.3563, 0.3111,
0.3165

 78.8926, 0.4040,
0.5174

 91.7485, 0.3125,
0.3165

 91.9878, 0.3133,
0.3165

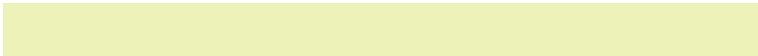
Harmonies

Analogous

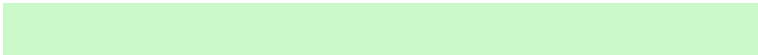
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.9695, 0.3707, 0.3795



84.9695, 0.3454, 0.3896



84.9695, 0.3122, 0.3818

Triad

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



84.9695, 0.3454, 0.3896



84.9695, 0.2495, 0.2956



84.9695, 0.3444, 0.3028

Complementary

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



84.9695, 0.3454, 0.3896



51.5307, 0.2753, 0.2618

Split Complementary

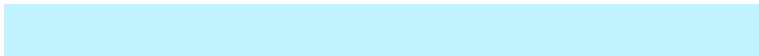
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.9695, 0.3103, 0.2829



84.9695, 0.3454, 0.3896



84.9695, 0.2569, 0.2778

Square

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



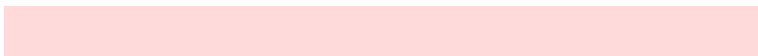
84.9695, 0.3454, 0.3896



84.9695, 0.2578, 0.3245



84.9695, 0.2785, 0.2738



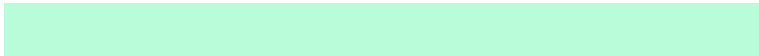
84.9695, 0.3706, 0.3292

Rectangle

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



84.9695, 0.3454, 0.3896



84.9695, 0.2902, 0.3667



84.9695, 0.2785, 0.2738



84.9695, 0.3334, 0.2952

Sweetspot

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



84.9733, 0.3454, 0.3896



98.6116, 0.3221, 0.3463



58.6773, 0.3616, 0.3344



21.0824, 0.3230, 0.3478



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

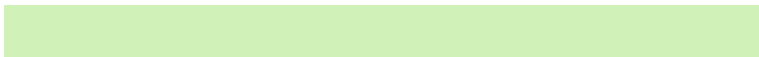
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.9733, 0.3454, 0.3896



94.9256, 0.3524, 0.4028



80.4072, 0.3254, 0.3936



18.3855, 0.3255, 0.3524



42.4097, 0.4043, 0.5172



3.5483, 0.4064, 0.5155

Inverse Universe

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



51.5307, 0.2753, 0.2618



50.9090, 0.2658, 0.2452



55.5884, 0.2967, 0.2658



15.2940, 0.2993, 0.3047



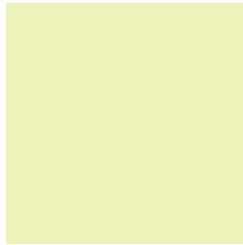
3.5530, 0.1528, 0.0616



0.3178, 0.1596, 0.0653

Previews

White Background



This preview shows how the Yxy color 84.9695, 0.3454, 0.3896 looks on a white background.

Color Contrast Check

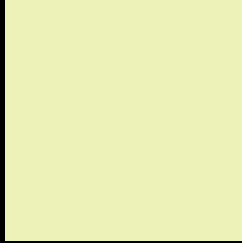
Large Text (above 18pt) WCAG AA × Fail

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 84.9695, 0.3454, 0.3896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

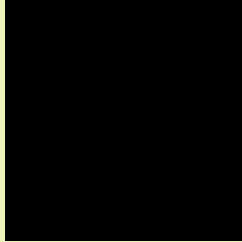
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.9695, 0.3454, 0.3896

Background



This preview shows how black text looks on a background with the Yxy color 84.9695, 0.3454, 0.3896.

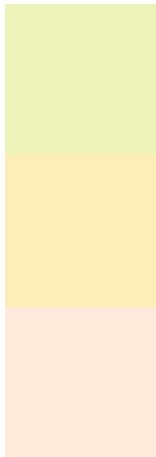


This preview shows how white text looks on a background with the Yxy color 84.9695, 0.3454, 0.3896.

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

84.9695, 0.3454, 0.3896

Protanopia

84.8284, 0.3593, 0.3847

Deuteranopia

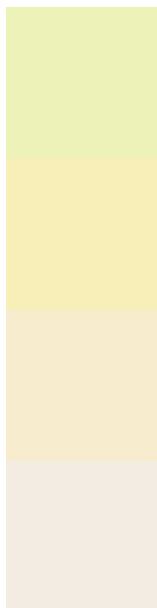
84.5998, 0.3377, 0.3440



Tritanopia

84.8357, 0.3102, 0.3112

Trichromacy



Original Color

84.9695, 0.3454, 0.3896

Protanomaly

84.9261, 0.3538, 0.3864

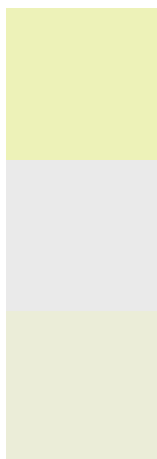
Deuteranomaly

84.4036, 0.3402, 0.3596

Tritanomaly

84.5916, 0.3231, 0.3382

Monochromacy



Original Color

84.9695, 0.3454, 0.3896

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

83.1884, 0.3245, 0.3509

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.9695, 0.3454, 0.3896 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(237, 242, 184)` looks like.

```
.text, #text, p{  
    color:rgb(237, 242, 184)  
}
```

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(237, 242, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 242, 184) }
```

Border

The CSS property to change the border of an element to Yxy 84.9695, 0.3454, 0.3896 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(237, 242, 184) }
```

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

```
.border{ border-color:rgb(237, 242, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 242, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 242, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 242, 184);  
box-shadow:4px 4px 4px 4px rgb(237, 242,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 84.9695, 0.3454, 0.3896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 242, 184) }
```

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

```
.background{ background-color: rgb(237,  
242, 184) }
```

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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