

Converting Colors

$Y_{xy}(100.0000, 0.3397, 0.4085)$

Have a look what the booklet for
Yxy(100.0000, 0.3397, 0.4085)
contains.

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Color

Yxy(93.0697, 0.3416, 0.3997)

Conversions

Conversions Part 1

Format	Color
Hex	EDFFBA
RGB	237, 255, 186
RGB Percent	93%, 100%, 73%
CMY	0.0707, 0.0000, 0.2705
CMYK	0.07, 0.00, 0.27, 0.00
HSL	76°, 100%, 86%
HSV	76°, 27%, 100%
XYZ	79.5412, 93.0697, 60.2380
YIQ	241.7520, 11.4210, -25.2750

Conversions

Conversions Part 2

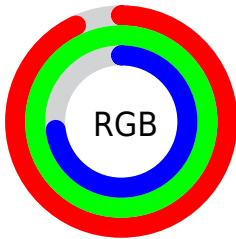
Format	Color
R_{YB}	186, 255, 204
Decimal	15597498
CIE _{Lab}	97.26, -16.99, 31.08
CIE _{LCh}	97, 35.424, 118.662
Yxy	93.0697, 0.3416, 0.3997
Android (android.graphics.Color)	4293787578 (0xFFEDFFBA)
YUV	241.7520, -27.4857, -4.1675
Hunter-Lab	96.4726, -21.6548, 30.5099

Details

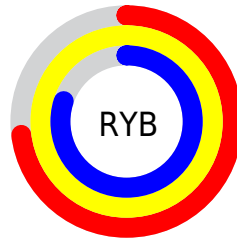
The Yxy color **93.0697, 0.3416, 0.3997** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **55.1931, 0.2779, 0.2534**, and the grayscale version is **88.7943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1908, 0.3203, 0.3415**, and **51.8779, 0.3477, 0.4155** is the 20% darker color. If you saturate the color by 10%, you get **90.9489, 0.3517, 0.4271**, and if you desaturate by 10%, it is **95.4169, 0.3310, 0.3726**.

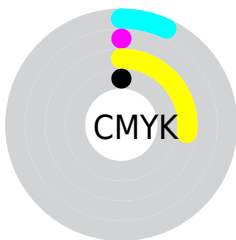
Distribution



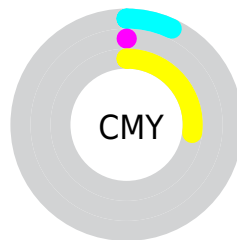
- Red (93%)
- Green (100%)
- Blue (73%)



- Red (73%)
- Yellow (100%)
- Blue (80%)



- Cyan (7%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.0697, 0.3416, 0.3997 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 93.0697, 0.3416, 0.3997 by changing the saturation by 10% instead.


 93.0697, 0.3416,
0.3997

 93.0697, 0.3416,
0.3997


537.9667, 0.3295,
0.3676

 70.5294, 0.3441,
0.4068


 151.5951, 0.3376,
0.3887

 51.9583, 0.3470,
0.4155


188.3490, 0.3360,
0.3844

 36.9718, 0.3504,
0.4264


230.6096, 0.3346,
0.3807

 25.1857, 0.3544,
0.4402

278.7613, 0.3333,
0.3774

 16.2154, 0.3592,
0.4584

333.1885, 0.3322,
0.3745

 9.6767, 0.3646,
0.4831

394.2755, 0.3312,

 5.1852, 0.3698,

0.3720

0.5182

462.4068, 0.3303,
0.3697

■ 2.3563, 0.3943,
0.6057

■ 0.8033, 0.3027,
0.6973

■ 93.0697, 0.3416,
0.3997

■ 93.0697, 0.3416,
0.3997

■ 90.9489, 0.3517,
0.4271

■ 95.4169, 0.3310,
0.3726


■ 89.0585, 0.3606,
0.4539

■ 98.0152, 0.3202,
0.3465


■ 87.3818, 0.3680,
0.4789


100.0000, 0.3127,
0.3290

■ 85.9059, 0.3733,
0.5008

 84.6161, 0.3760,
0.5187

 83.4954, 0.3761,
0.5318

 82.5219, 0.3738,
0.5402

 82.2533, 0.3729,
0.5421

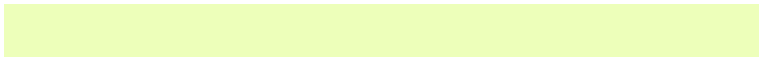
Harmonies

Analogous

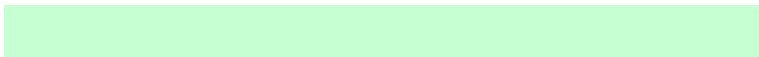
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.0697, 0.3742, 0.3917



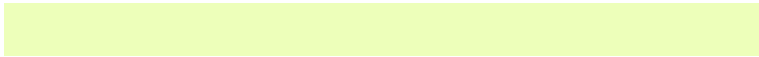
93.0697, 0.3416, 0.3997



93.0697, 0.3025, 0.3856

Triad

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



93.0697, 0.3416, 0.3997



93.0697, 0.2403, 0.2837



93.0697, 0.3580, 0.3053

Complementary

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



93.0697, 0.3416, 0.3997



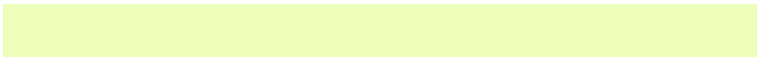
55.1931, 0.2779, 0.2534

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.



93.0697, 0.3193, 0.2805



93.0697, 0.3416, 0.3997



93.0697, 0.2528, 0.2673

Square

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



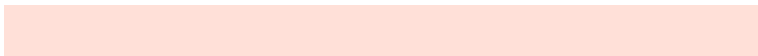
93.0697, 0.3416, 0.3997



93.0697, 0.2455, 0.3146



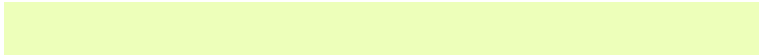
93.0697, 0.2809, 0.2667



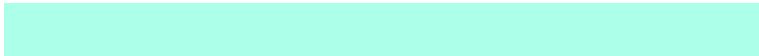
93.0697, 0.3848, 0.3364

Rectangle

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



93.0697, 0.3416, 0.3997



93.0697, 0.2782, 0.3652



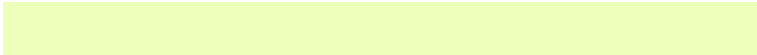
93.0697, 0.2809, 0.2667



93.0697, 0.3458, 0.2961

Sweetspot

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



93.0648, 0.3416, 0.3997



97.7575, 0.3212, 0.3489



67.6445, 0.3669, 0.3470



20.8378, 0.3228, 0.3528



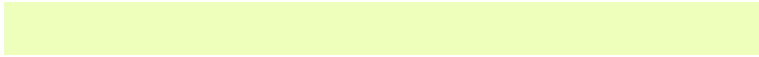
0.0000, 0.0000, 0.0000



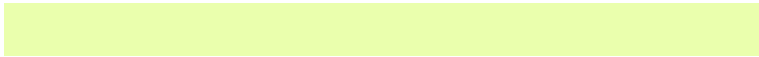
21.4041, 0.3127, 0.3290

Same Dimension

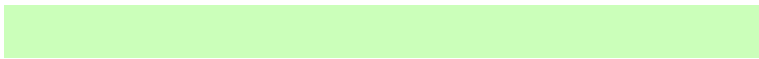
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.0648, 0.3416, 0.3997



91.9885, 0.3467, 0.4133



87.8003, 0.3196, 0.4048



20.8378, 0.3228, 0.3528



43.0552, 0.3737, 0.5415



4.2450, 0.3791, 0.5372

Inverse Universe

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



55.1931, 0.2779, 0.2534



48.8275, 0.2702, 0.2377



60.4825, 0.3028, 0.2587



17.6073, 0.3020, 0.3047



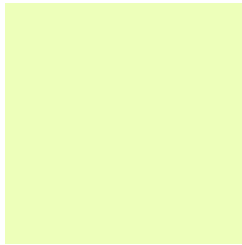
4.4508, 0.1655, 0.0686



0.4835, 0.1767, 0.0747

Previews

White Background



This preview shows how the Yxy color 93.0697, 0.3416, 0.3997 looks on a white background.

Color Contrast Check

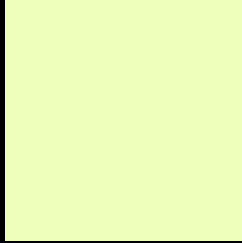
Large Text (above 18pt) WCAG AA × Fail

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 93.0697, 0.3416, 0.3997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

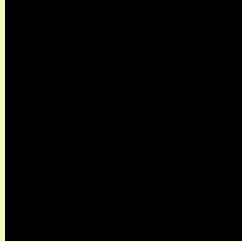
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 93.0697, 0.3416, 0.3997

Background



This preview shows how black text looks on a background with the Yxy color 93.0697, 0.3416, 0.3997.

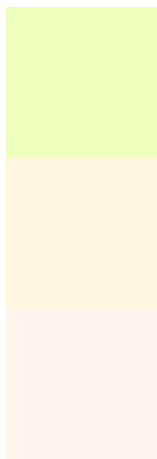


This preview shows how white text looks on a background with the Yxy color 93.0697, 0.3416, 0.3997.

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

93.0697, 0.3416, 0.3997

Protanopia

93.0020, 0.3338, 0.3546

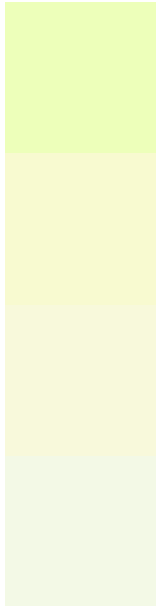
Deuteranopia

92.7379, 0.3235, 0.3358

Tritanopia

92.9057, 0.3080, 0.3203

Trichromacy



Original Color

93.0697, 0.3416, 0.3997

Protanomaly

92.8817, 0.3367, 0.3710

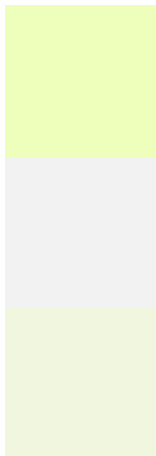
Deuteranomaly

92.8223, 0.3301, 0.3589

Tritanomaly

92.5192, 0.3202, 0.3480

Monochromacy



Original Color

93.0697, 0.3416, 0.3997

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

90.3207, 0.3232, 0.3543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.0697, 0.3416, 0.3997 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, 255, 186)` looks like.

```
.text, #text, p{  
    color:rgb(237, 255, 186)  
}
```

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, 255, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 186) }
```

Border

The CSS property to change the border of an element to Yxy 93.0697, 0.3416, 0.3997 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, 255, 186) }
```

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

```
.border{ border-color:rgb(237, 255, 186) }
```

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

Here you see how a box with a 4 pixel rgb(237, 255, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 255, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 255, 186);  
box-shadow:4px 4px 4px 4px rgb(237, 255,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 93.0697, 0.3416, 0.3997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 255, 186) }
```

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

```
.background{ background-color: rgb(237,  
255, 186) }
```

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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