

Converting Colors

$Y_{xy}(132.2074, 0.3240, 0.4286)$

Have a look what the booklet for
Yxy(132.2074, 0.3240, 0.4286)
contains.

Yxy(93.2767, 0.3303, 0.3834)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(93.2767, 0.3303, 0.3834)

Conversions

Conversions Part 1

Format	Color
Hex	EAFFCA
RGB	234, 255, 202
RGB Percent	92%, 100%, 79%
CMY	0.0823, 0.0000, 0.2078
CMYK	0.08, 0.00, 0.21, 0.00
HSL	84°, 100%, 90%
HSV	84°, 21%, 100%
XYZ	80.3581, 93.2767, 69.6534
YIQ	242.6790, 4.4970, -20.9350

Conversions

Conversions Part 2

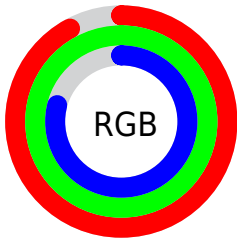
Format	Color
R _Y B	202, 255, 223
Decimal	15400906
CIE Lab	97.34, -15.74, 23.08
CIE LCh	97, 27.943, 124.296
Yxy	93.2767, 0.3303, 0.3834
Android (android.graphics.Color)	4293590986 (0xFFEAFPCA)
YUV	242.6790, -20.0547, -7.6115
Hunter-Lab	96.5799, -20.4960, 24.8459

Details

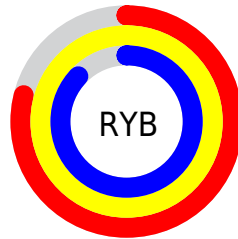
The Yxy color **93.2767, 0.3303, 0.3834** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **65.1548, 0.2921, 0.2734**, and the grayscale version is **89.5244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.9913, 0.3335, 0.3950** is the 20% darker color. If you saturate the color by 10%, you get **90.5099, 0.3384, 0.4118**, and if you desaturate by 10%, it is **96.3485, 0.3219, 0.3563**.

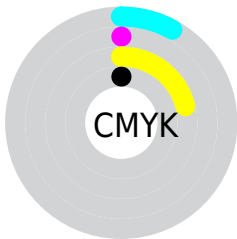
Distribution



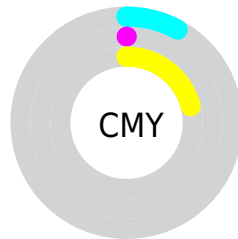
- Red (92%)
- Green (100%)
- Blue (79%)



- Red (79%)
- Yellow (100%)
- Blue (87%)



- Cyan (8%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




- Cyan (8%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.2767, 0.3303, 0.3834 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 93.2767, 0.3303, 0.3834 by changing the saturation by 10% instead.


 93.2767, 0.3303,
0.3834

 93.2767, 0.3303,
0.3834

538.6332, 0.3229,
0.3587

 70.7015, 0.3318,
0.3889

151.8816, 0.3279,
0.3749

 52.0986, 0.3336,
0.3957


188.6802, 0.3269,
0.3716

 37.0837, 0.3357,
0.4041


230.9886, 0.3260,
0.3687

 25.2723, 0.3383,
0.4149

279.1914, 0.3253,
0.3662

 16.2801, 0.3414,
0.4293

333.6728, 0.3246,
0.3640

 9.7225, 0.3452,
0.4493

394.8173, 0.3240,

 5.2154, 0.3493,

0.3620

0.4787

463.0093, 0.3234,
0.3603

■ 2.3742, 0.3585,
0.5343

■ 0.8126, 0.3232,
0.6768

■ 93.2767, 0.3303,
0.3834

■ 93.2767, 0.3303,
0.3834

■ 90.5099, 0.3384,
0.4118

■ 96.3485, 0.3219,
0.3563

■ 88.0248, 0.3457,
0.4408

■ 99.7239, 0.3134,
0.3309

■ 85.8129, 0.3517,
0.4692

■ 100.0000, 0.3127,
0.3290

■ 83.8611, 0.3560,
0.4958

■ 82.1544, 0.3581,
0.5191

■ 80.6761, 0.3577,
0.5379

■ 79.4065, 0.3549,
0.5515

■ 78.3930, 0.3506,
0.5598

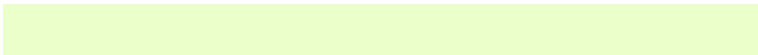
Harmonies

Analogous

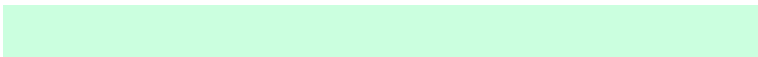
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.2767, 0.3575, 0.3810



93.2767, 0.3303, 0.3834



93.2767, 0.2993, 0.3691

Triad

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



93.2767, 0.3303, 0.3834



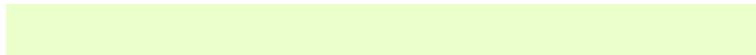
93.2767, 0.2557, 0.2900



93.2767, 0.3534, 0.3148

Complementary

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



93.2767, 0.3303, 0.3834



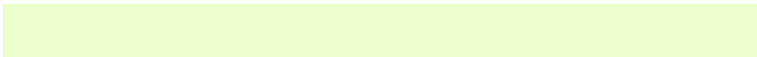
65.1548, 0.2921, 0.2734

Split Complementary

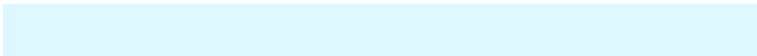
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.2767, 0.3241, 0.2933



93.2767, 0.3303, 0.3834



93.2767, 0.2684, 0.2788

Square

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



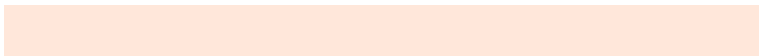
93.2767, 0.3303, 0.3834



93.2767, 0.2572, 0.3129



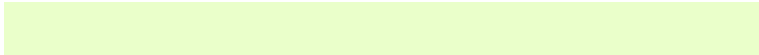
93.2767, 0.2930, 0.2803



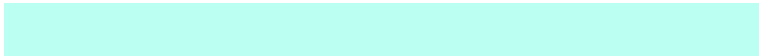
93.2767, 0.3716, 0.3404

Rectangle

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



93.2767, 0.3303, 0.3834



93.2767, 0.2807, 0.3521



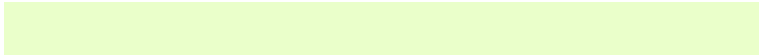
93.2767, 0.2930, 0.2803



93.2767, 0.3444, 0.3069

Sweetspot

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



93.2807, 0.3303, 0.3834



97.9225, 0.3178, 0.3439



77.9405, 0.3505, 0.3497



20.9125, 0.3183, 0.3456



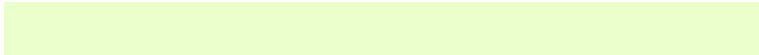
0.0000, 0.0000, 0.0000



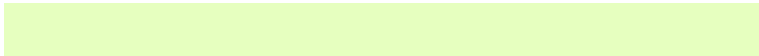
21.4041, 0.3127, 0.3290

Same Dimension

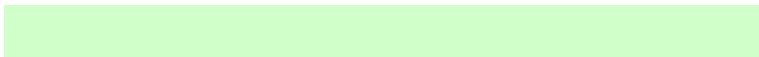
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.2807, 0.3303, 0.3834



92.0755, 0.3338, 0.3953



89.2232, 0.3138, 0.3862



20.7109, 0.3208, 0.3529



41.0511, 0.3516, 0.5590



4.0604, 0.3592, 0.5530

Inverse Universe

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



65.1548, 0.2921, 0.2734



59.2648, 0.2871, 0.2610



69.5741, 0.3106, 0.2765



17.7286, 0.3041, 0.3049



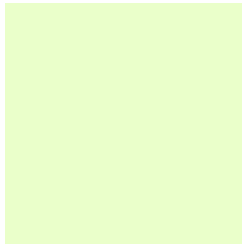
5.2980, 0.1836, 0.0785



0.5771, 0.1961, 0.0854

Previews

White Background



This preview shows how the Yxy color 93.2767, 0.3303, 0.3834 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 93.2767, 0.3303, 0.3834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

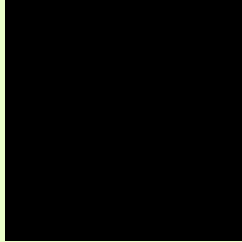
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

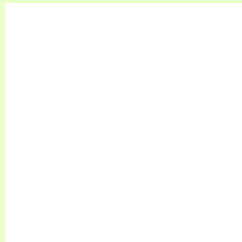
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 93.2767, 0.3303, 0.3834

Background



This preview shows how black text looks on a background with the Yxy color 93.2767, 0.3303, 0.3834.

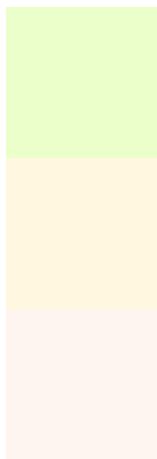


This preview shows how white text looks on a background with the Yxy color 93.2767, 0.3303, 0.3834.

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

93.2767, 0.3303, 0.3834

Protanopia

93.1633, 0.3319, 0.3516

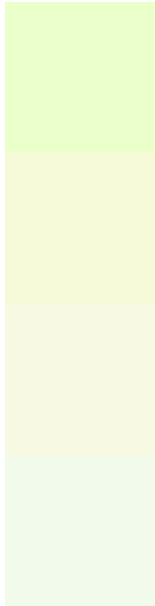
Deuteranopia

92.8561, 0.3222, 0.3339

Tritanopia

93.3344, 0.3074, 0.3212

Trichromacy



Original Color

93.2767, 0.3303, 0.3834

Protanomaly

93.1032, 0.3311, 0.3630

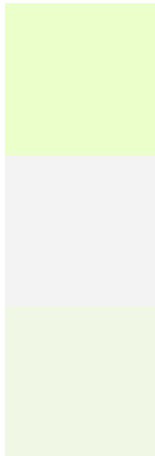
Deuteranomaly

93.0165, 0.3252, 0.3519

Tritanomaly

93.3046, 0.3159, 0.3429

Monochromacy



Original Color

93.2767, 0.3303, 0.3834

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

90.6482, 0.3196, 0.3482

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.2767, 0.3303, 0.3834 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, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 202)  
}
```

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, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 202) }
```

Border

The CSS property to change the border of an element to Yxy 93.2767, 0.3303, 0.3834 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, 255, 202) }
```

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

```
.border{ border-color:rgb(234, 255, 202) }
```

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

Here you see how a box with a 4 pixel rgb(234, 255, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 93.2767, 0.3303, 0.3834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 255, 202) }
```

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

```
.background{ background-color: rgb(234,  
255, 202) }
```

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