

Converting Colors

$Y_{xy}(106.2311, 0.3339, 0.4008)$

Have a look what the booklet for
Yxy(106.2311, 0.3339, 0.4008)
contains.

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Color

Yxy(94.5674, 0.3367, 0.3846)

Conversions

Conversions Part 1

Format	Color
Hex	F2FFC8
RGB	242, 255, 200
RGB Percent	95%, 100%, 78%
CMY	0.0512, 0.0000, 0.2157
CMYK	0.05, 0.00, 0.22, 0.00
HSL	74°, 100%, 89%
HSV	74°, 22%, 100%
XYZ	82.7895, 94.5674, 68.5282
YIQ	244.8430, 9.9070, -19.8610

Conversions

Conversions Part 2

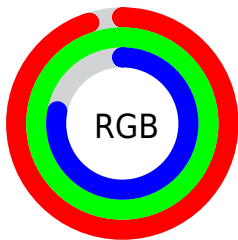
Format	Color
R_{YB}	200, 255, 213
Decimal	15925192
CIE _{Lab}	97.86, -13.27, 24.92
CIE _{LCh}	98, 28.227, 118.034
Yxy	94.5674, 0.3367, 0.3846
Android (android.graphics.Color)	4294115272 (0xFFFF2FFC8)
YUV	244.8430, -22.1076, -2.4933
Hunter-Lab	97.2458, -18.2154, 26.2909

Details

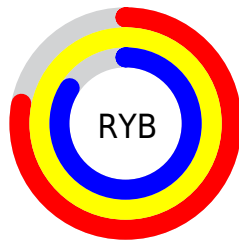
The Yxy color **94.5674, 0.3367, 0.3846** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.6783, 0.2851, 0.2701**, and the grayscale version is **91.3388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.9026, 0.3417, 0.3962** is the 20% darker color. If you saturate the color by 10%, you get **92.4110, 0.3476, 0.4117**, and if you desaturate by 10%, it is **96.9396, 0.3255, 0.3581**.

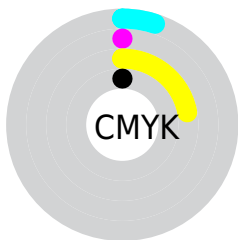
Distribution



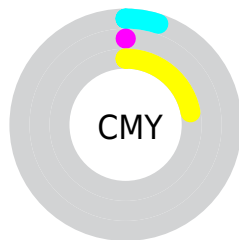
- Red (95%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (84%)



- Cyan (5%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)



- Cyan (5%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 94.5674, 0.3367, 0.3846 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 94.5674, 0.3367, 0.3846 by changing the saturation by 10% instead.

 94.5674, 0.3367,
0.3846

 94.5674, 0.3367,
0.3846

542.7791, 0.3265,
0.3595

 71.7750, 0.3388,
0.3902


153.6668, 0.3333,
0.3760

 52.9749, 0.3414,
0.3969


190.7426, 0.3320,
0.3727

 37.7827, 0.3444,
0.4054


233.3483, 0.3308,
0.3698

 25.8141, 0.3481,
0.4161

281.8683, 0.3297,
0.3672

 16.6846, 0.3527,
0.4303

336.6870, 0.3288,
0.3649

 10.0099, 0.3583,
0.4498

398.1887, 0.3279,

 5.4055, 0.3652,

0.3629

0.4779

466.7580, 0.3272,
0.3611

■ 2.4871, 0.3800,
0.5321

■ 0.8702, 0.3664,
0.6336

■ 94.5674, 0.3367,
0.3846

■ 94.5674, 0.3367,
0.3846

■ 92.4110, 0.3476,
0.4117

■ 96.9396, 0.3255,
0.3581

■ 90.4879, 0.3576,
0.4387

■ 99.5648, 0.3144,
0.3328

■ 88.7778, 0.3664,
0.4644

100.0000, 0.3127,
0.3290

■ 87.2687, 0.3733,
0.4877

■ 85.9469, 0.3779,
0.5074

■ 84.7970, 0.3799,
0.5227

■ 83.8005, 0.3793,
0.5331

■ 83.0558, 0.3771,
0.5388

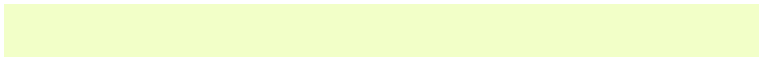
Harmonies

Analogous

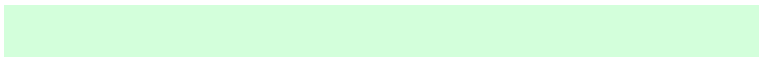
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.5674, 0.3622, 0.3788



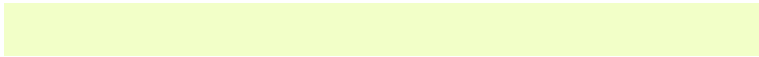
94.5674, 0.3367, 0.3846



94.5674, 0.3056, 0.3736

Triad

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



94.5674, 0.3367, 0.3846



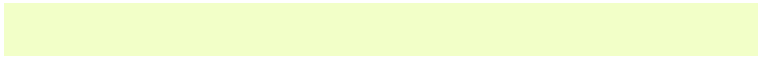
94.5674, 0.2545, 0.2938



94.5674, 0.3481, 0.3097

Complementary

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



94.5674, 0.3367, 0.3846



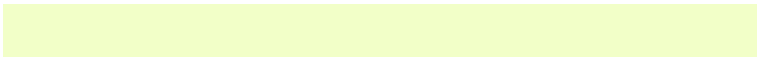
62.6783, 0.2851, 0.2701

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.



94.5674, 0.3175, 0.2896



94.5674, 0.3367, 0.3846



94.5674, 0.2644, 0.2798

Square

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



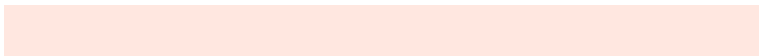
94.5674, 0.3367, 0.3846



94.5674, 0.2591, 0.3187



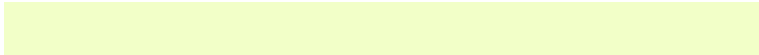
94.5674, 0.2870, 0.2787



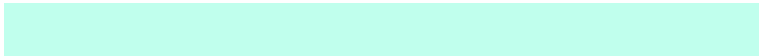
94.5674, 0.3694, 0.3350

Rectangle

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



94.5674, 0.3367, 0.3846



94.5674, 0.2860, 0.3580



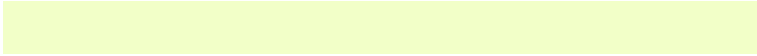
94.5674, 0.2870, 0.2787



94.5674, 0.3385, 0.3022

Sweetspot

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



94.5582, 0.3367, 0.3846



98.3715, 0.3193, 0.3438



72.9321, 0.3539, 0.3423



21.0188, 0.3200, 0.3455



0.0000, 0.0000, 0.0000



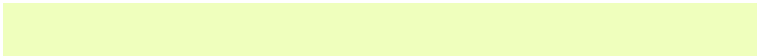
21.4041, 0.3127, 0.3290

Same Dimension

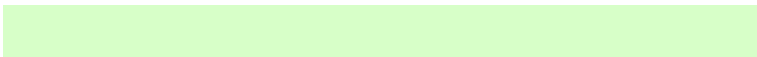
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.5582, 0.3367, 0.3846



93.5789, 0.3416, 0.3966



90.0858, 0.3190, 0.3878



20.8608, 0.3232, 0.3527



43.4704, 0.3778, 0.5382



4.2823, 0.3828, 0.5343

Inverse Universe

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



62.6783, 0.2851, 0.2701



56.3844, 0.2784, 0.2565



67.1090, 0.3045, 0.2734



17.5857, 0.3016, 0.3047



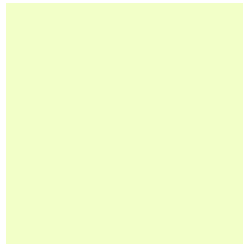
4.3390, 0.1630, 0.0672



0.4699, 0.1737, 0.0731

Previews

White Background



This preview shows how the Yxy color 94.5674, 0.3367, 0.3846 looks on a white background.

Color Contrast Check

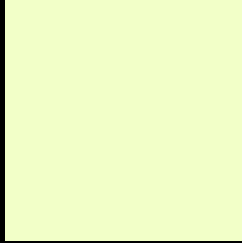
Large Text (above 18pt) WCAG AA × Fail

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 94.5674, 0.3367, 0.3846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

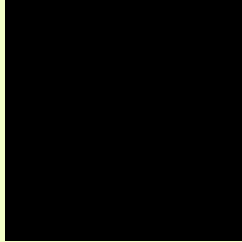
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

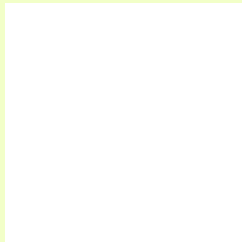
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 94.5674, 0.3367, 0.3846

Background



This preview shows how black text looks on a background with the Yxy color 94.5674, 0.3367, 0.3846.

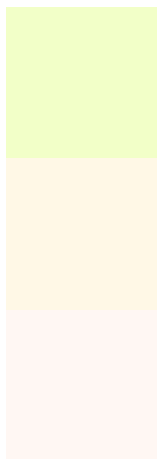


This preview shows how white text looks on a background with the Yxy color 94.5674, 0.3367, 0.3846.

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

94.5674, 0.3367, 0.3846

Protanopia

94.1080, 0.3281, 0.3466

Deuteranopia

94.2526, 0.3203, 0.3329

Tritanopia

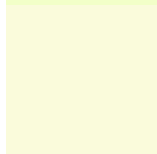
94.6788, 0.3099, 0.3223

Trichromacy



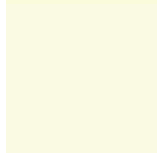
Original Color

94.5674, 0.3367, 0.3846



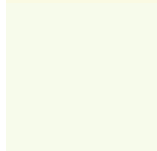
Protanomaly

94.4328, 0.3312, 0.3607



Deuteranomaly

94.2413, 0.3264, 0.3517



Tritanomaly

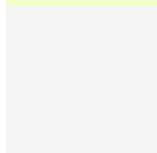
94.7667, 0.3196, 0.3448

Monochromacy



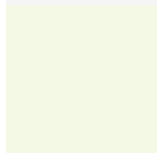
Original Color

94.5674, 0.3367, 0.3846



Achromatopsia

91.3099, 0.3127, 0.3290



Achromatomaly

92.6416, 0.3214, 0.3490

CSS Examples

Text

The CSS property to change the color of the text to Yxy 94.5674, 0.3367, 0.3846 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(242, 255, 200)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 200)  
}
```

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(242, 255, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 200) }
```

Border

The CSS property to change the border of an element to Yxy 94.5674, 0.3367, 0.3846 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(242, 255, 200) }
```

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

```
.border{ border-color:rgb(242, 255, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 255, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 200);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 94.5674, 0.3367, 0.3846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 200) }
```

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

```
.background{ background-color: rgb(242,  
255, 200) }
```

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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