

Converting Colors

$Y_{xy}(100.0000, 0.3520, 0.4115)$

Have a look what the booklet for
Yxy(100.0000, 0.3520, 0.4115)
contains.

Yxy(94.9144, 0.3538, 0.4048)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(94.9144, 0.3538, 0.4048)

Conversions

Conversions Part 1

Format	Color
Hex	F9FFB3
RGB	249, 255, 179
RGB Percent	98%, 100%, 70%
CMY	0.0236, 0.0000, 0.2980
CMYK	0.02, 0.00, 0.30, 0.00
HSL	65°, 100%, 85%
HSV	65°, 30%, 100%
XYZ	82.9563, 94.9144, 56.6016
YIQ	244.5420, 20.8200, -24.9080

Conversions

Conversions Part 2

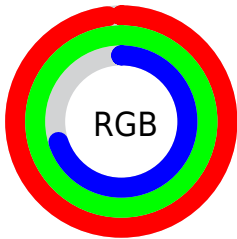
Format	Color
R_{YB}	179, 255, 185
Decimal	16383923
CIE _{Lab}	98.00, -13.55, 35.74
CIE _{LCh}	98, 38.219, 110.758
Yxy	94.9144, 0.3538, 0.4048
Android (android.graphics.Color)	4294574003 (0xFFFF9FFB3)
YUV	244.5420, -32.3122, 3.9097
Hunter-Lab	97.4240, -18.4997, 33.7504

Details

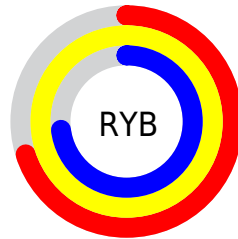
The Yxy color **94.9144, 0.3538, 0.4048** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **49.7853, 0.2639, 0.2425**, and the grayscale version is **91.1680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7782, 0.3244, 0.3483**, and **53.1010, 0.3616, 0.4202** is the 20% darker color. If you saturate the color by 10%, you get **93.6012, 0.3670, 0.4299**, and if you desaturate by 10%, it is **96.4123, 0.3400, 0.3790**.

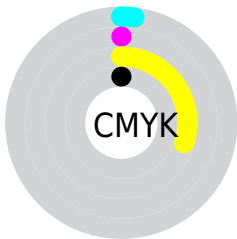
Distribution



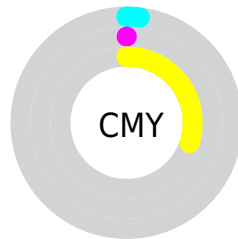
- Red (98%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (73%)



- Cyan (2%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 94.9144, 0.3538, 0.4048 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 94.9144, 0.3538, 0.4048 by changing the saturation by 10% instead.


 94.9144, 0.3538,
0.4048

 94.9144, 0.3538,
0.4048


543.8909, 0.3364,
0.3708

 72.0637, 0.3574,
0.4122


 154.1463, 0.3481,
0.3933

 53.2107, 0.3615,
0.4212

191.2964, 0.3458,
0.3887

 37.9710, 0.3665,
0.4323


233.9817, 0.3438,
0.3847

 25.9602, 0.3724,
0.4463

282.5867, 0.3419,
0.3813

 16.7939, 0.3794,
0.4643

337.4957, 0.3403,
0.3782

 10.0876, 0.3876,
0.4881

399.0931, 0.3389,

 5.4571, 0.3960,

0.3755

0.5204

467.7634, 0.3376,
0.3730

■ 2.5179, 0.4154,
0.5846

■ 0.8856, 0.3659,
0.6341

■ 94.9144, 0.3538,
0.4048

■ 94.9144, 0.3538,
0.4048

■ 93.6012, 0.3670,
0.4299

■ 96.4123, 0.3400,
0.3790

■ 92.4773, 0.3789,
0.4534


■ 98.1198, 0.3261,
0.3533

■ 91.5261, 0.3891,
0.4741

100.0000, 0.3127,
0.3290

■ 90.7347, 0.3970,
0.4911

 90.0883, 0.4022,
0.5039

 89.5694, 0.4048,
0.5121

 89.1498, 0.4052,
0.5164

 89.1417, 0.4052,
0.5165

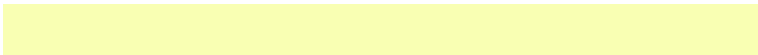
Harmonies

Analogous

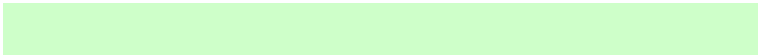
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.9144, 0.3852, 0.3905



94.9144, 0.3538, 0.4048



94.9144, 0.3126, 0.3963

Triad

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



94.9144, 0.3538, 0.4048



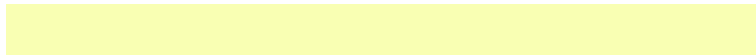
94.9144, 0.2351, 0.2877



94.9144, 0.3510, 0.2958

Complementary

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



94.9144, 0.3538, 0.4048



49.7853, 0.2639, 0.2425

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.



94.9144, 0.3083, 0.2721



94.9144, 0.3538, 0.4048



94.9144, 0.2435, 0.2660

Square

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



94.9144, 0.3538, 0.4048



94.9144, 0.2454, 0.3239



94.9144, 0.2694, 0.2612



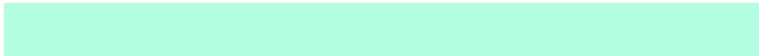
94.9144, 0.3844, 0.3276

Rectangle

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



94.9144, 0.3538, 0.4048



94.9144, 0.2855, 0.3775



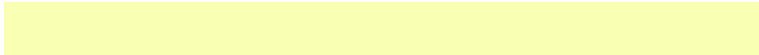
94.9144, 0.2694, 0.2612



94.9144, 0.3371, 0.2867

Sweetspot

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



94.9093, 0.3538, 0.4048



98.2652, 0.3250, 0.3513



58.8291, 0.3783, 0.3345



20.9763, 0.3270, 0.3550



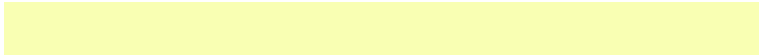
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

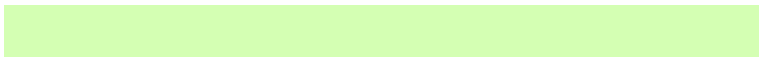
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.9093, 0.3538, 0.4048



94.0758, 0.3621, 0.4205



88.7635, 0.3291, 0.4112



21.0131, 0.3257, 0.3526



46.6092, 0.4055, 0.5163



4.5590, 0.4071, 0.5149

Inverse Universe

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



49.7853, 0.2639, 0.2425



42.0857, 0.2517, 0.2213



55.0066, 0.2908, 0.2487



17.4466, 0.2991, 0.3045



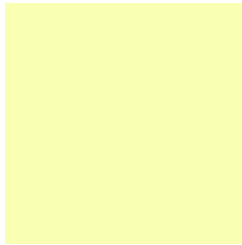
3.8757, 0.1524, 0.0613



0.4000, 0.1578, 0.0643

Previews

White Background



This preview shows how the Yxy color 94.9144, 0.3538, 0.4048 looks on a white background.

Color Contrast Check

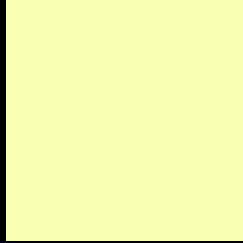
Large Text (above 18pt) WCAG AA × Fail

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 94.9144, 0.3538, 0.4048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

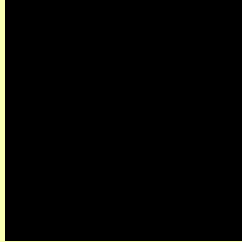
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 94.9144, 0.3538, 0.4048

Background



This preview shows how black text looks on a background with the Yxy color 94.9144, 0.3538, 0.4048.

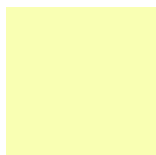


This preview shows how white text looks on a background with the Yxy color 94.9144, 0.3538, 0.4048.

Color Blindness Simulation

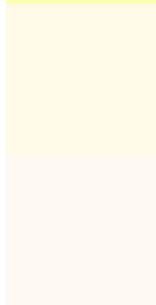
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



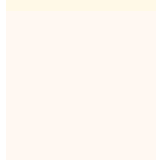
Original Color

94.9144, 0.3538, 0.4048



Protanopia

94.7809, 0.3274, 0.3466



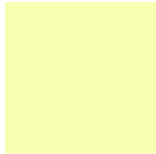
Deuteranopia

94.8056, 0.3208, 0.3348

Tritanopia

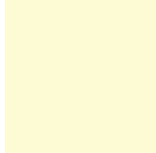
94.6242, 0.3118, 0.3213

Trichromacy



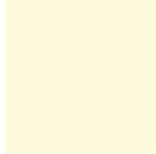
Original Color

94.9144, 0.3538, 0.4048



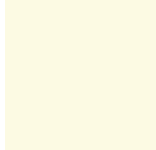
Protanomaly

94.6305, 0.3374, 0.3675



Deuteranomaly

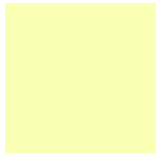
94.9915, 0.3332, 0.3605



Tritanomaly

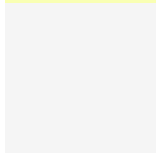
94.6127, 0.3277, 0.3516

Monochromacy



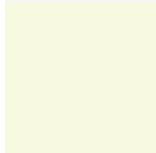
Original Color

94.9144, 0.3538, 0.4048



Achromatopsia

91.3099, 0.3127, 0.3290



Achromatomaly

92.5647, 0.3276, 0.3570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 94.9144, 0.3538, 0.4048 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(249, 255, 179)` looks like.

```
.text, #text, p{  
    color:rgb(249, 255, 179)  
}
```

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(249, 255, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 179) }
```

Border

The CSS property to change the border of an element to Yxy 94.9144, 0.3538, 0.4048 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(249, 255, 179) }
```

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

```
.border{ border-color:rgb(249, 255, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 255, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(249, 255,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 94.9144, 0.3538, 0.4048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 255, 179) }
```

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

```
.background{ background-color: rgb(249,  
255, 179) }
```

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