

Converting Colors

$Y_{xy}(100.0000, 0.3522, 0.4144)$

Have a look what the booklet for
Yxy(100.0000, 0.3522, 0.4144)
contains.

Yxy(94.6508, 0.3543, 0.4070)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(94.6508, 0.3543, 0.4070)

Conversions

Conversions Part 1

Format	Color
Hex	F8FFB1
RGB	248, 255, 177
RGB Percent	97%, 100%, 69%
CMY	0.0276, 0.0000, 0.3059
CMYK	0.03, 0.00, 0.31, 0.00
HSL	65°, 100%, 85%
HSV	65°, 31%, 100%
XYZ	82.3950, 94.6508, 55.5114
YIQ	244.0150, 20.8660, -25.7420

Conversions

Conversions Part 2

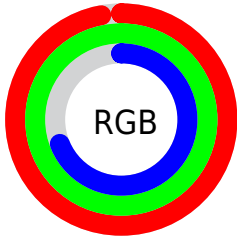
Format	Color
RYB	177, 255, 184
Decimal	16318385
CIELab	97.89, -14.17, 36.60
CIELCh	98, 39.243, 111.168
Yxy	94.6508, 0.3543, 0.4070
Android (android.graphics.Color)	4294508465 (0xFFFF8FFB1)
YUV	244.0150, -33.0384, 3.4948
Hunter-Lab	97.2886, -19.0811, 34.2721

Details

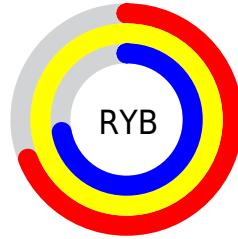
The Yxy color **94.6508, 0.3543, 0.4070** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **48.8506, 0.2630, 0.2399**, and the grayscale version is **90.7239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6632, 0.3256, 0.3503**, and **52.9198, 0.3622, 0.4229** is the 20% darker color. If you saturate the color by 10%, you get **93.3013, 0.3672, 0.4322**, and if you desaturate by 10%, it is **96.1794, 0.3407, 0.3811**.

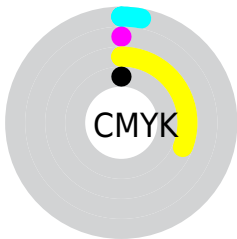
Distribution



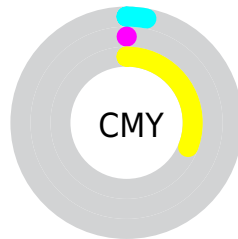
- Red (97%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (72%)



- Cyan (3%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 94.6508, 0.3543, 0.4070 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 94.6508, 0.3543, 0.4070 by changing the saturation by 10% instead.


 94.6508, 0.3543,
0.4070

 94.6508, 0.3543,
0.4070


543.0465, 0.3367,
0.3720

 71.8444, 0.3579,
0.4147


 153.7821, 0.3486,
0.3951

 53.0316, 0.3621,
0.4239


190.8757, 0.3462,
0.3904

 37.8280, 0.3670,
0.4354


233.5006, 0.3442,
0.3863

 25.8492, 0.3729,
0.4498

282.0410, 0.3423,
0.3828

 16.7109, 0.3799,
0.4683

336.8814, 0.3407,
0.3796

 10.0286, 0.3878,
0.4927

398.4062, 0.3393,

 5.4179, 0.3959,

0.3768

0.5261

466.9997, 0.3379,
0.3743

■ 2.4945, 0.4117,
0.5883

■ 0.8739, 0.3568,
0.6432

■ 94.6508, 0.3543,
0.4070

■ 94.6508, 0.3543,
0.4070

■ 93.3013, 0.3672,
0.4322

■ 96.1794, 0.3407,
0.3811

■ 92.1443, 0.3788,
0.4556

■ 97.9210, 0.3270,
0.3553

■ 91.1602, 0.3886,
0.4763

■ 99.8767, 0.3135,
0.3304

■ 90.3360, 0.3961,
0.4932

■ 100.0000, 0.3127,
0.3290

■ 89.6567, 0.4010,
0.5058

■ 89.1043, 0.4032,
0.5139

■ 88.6741, 0.4033,
0.5180

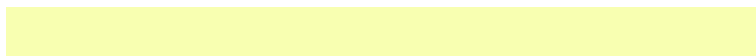
Harmonies

Analogous

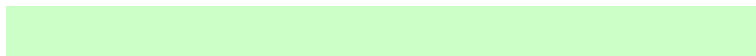
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.6508, 0.3868, 0.3924



94.6508, 0.3543, 0.4070



94.6508, 0.3119, 0.3980

Triad

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



94.6508, 0.3543, 0.4070



94.6508, 0.2331, 0.2861



94.6508, 0.3526, 0.2953

Complementary

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



94.6508, 0.3543, 0.4070



48.8506, 0.2630, 0.2399

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.



94.6508, 0.3087, 0.2709



94.6508, 0.3543, 0.4070



94.6508, 0.2419, 0.2642

Square

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



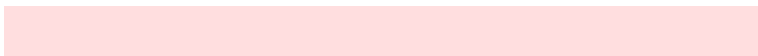
94.6508, 0.3543, 0.4070



94.6508, 0.2434, 0.3231



94.6508, 0.2687, 0.2595



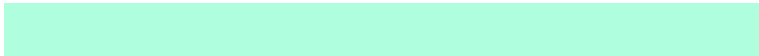
94.6508, 0.3868, 0.3280

Rectangle

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



94.6508, 0.3543, 0.4070



94.6508, 0.2841, 0.3785



94.6508, 0.2687, 0.2595



94.6508, 0.3383, 0.2860

Sweetspot

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



94.6428, 0.3543, 0.4070



98.2184, 0.3248, 0.3513



58.5007, 0.3803, 0.3360



20.9647, 0.3268, 0.3550



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

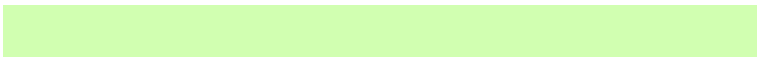
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.6428, 0.3543, 0.4070



93.7617, 0.3627, 0.4233



88.3205, 0.3286, 0.4139



21.0025, 0.3255, 0.3526



46.3685, 0.4036, 0.5178



4.5381, 0.4055, 0.5163

Inverse Universe

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



48.8506, 0.2630, 0.2399



41.0407, 0.2504, 0.2180



54.2650, 0.2911, 0.2466



17.4561, 0.2993, 0.3045



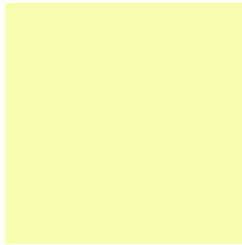
3.8942, 0.1529, 0.0616



0.4044, 0.1589, 0.0649

Previews

White Background



This preview shows how the Yxy color 94.6508, 0.3543, 0.4070 looks on a white background.

Color Contrast Check

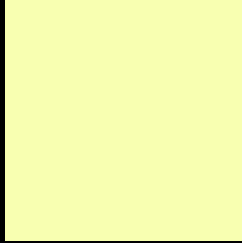
Large Text (above 18pt) WCAG AA × Fail

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 94.6508, 0.3543, 0.4070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

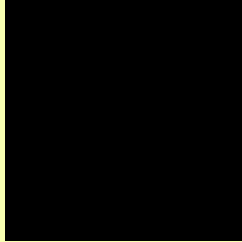
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 94.6508, 0.3543, 0.4070

Background



This preview shows how black text looks on a background with the Yxy color 94.6508, 0.3543, 0.4070.

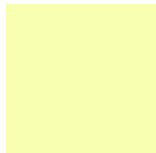


This preview shows how white text looks on a background with the Yxy color 94.6508, 0.3543, 0.4070.

Color Blindness Simulation

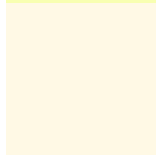
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



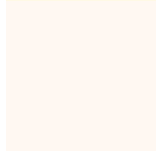
Original Color

94.6508, 0.3543, 0.4070



Protanopia

94.6685, 0.3286, 0.3485



Deuteranopia

94.8056, 0.3208, 0.3348

Tritanopia

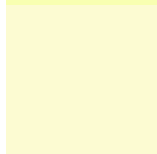
94.6242, 0.3118, 0.3213

Trichromacy



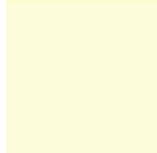
Original Color

94.6508, 0.3543, 0.4070



Protanomaly

94.3430, 0.3380, 0.3696



Deuteranomaly

94.7518, 0.3331, 0.3616



Tritanomaly

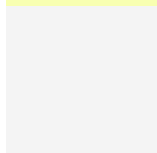
94.4265, 0.3271, 0.3516

Monochromacy



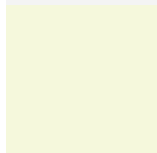
Original Color

94.6508, 0.3543, 0.4070



Achromatopsia

90.4661, 0.3127, 0.3290



Achromatomaly

91.7146, 0.3276, 0.3571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 94.6508, 0.3543, 0.4070 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(248, 255, 177)` looks like.

```
.text, #text, p{  
    color:rgb(248, 255, 177)  
}
```

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(248, 255, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 255, 177) }
```

Border

The CSS property to change the border of an element to Yxy 94.6508, 0.3543, 0.4070 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(248, 255, 177) }
```

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

```
.border{ border-color:rgb(248, 255, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 255, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 255, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 255, 177);  
box-shadow:4px 4px 4px 4px rgb(248, 255,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 94.6508, 0.3543, 0.4070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 255, 177) }
```

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

```
.background{ background-color: rgb(248,  
255, 177) }
```

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