

Converting Colors

$Y_{xy}(100.0000, 0.3585, 0.4203)$

Have a look what the booklet for
Yxy(100.0000, 0.3585, 0.4203)
contains.

Yxy(94.9315, 0.3604, 0.4132)	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(94.9315, 0.3604, 0.4132)

Conversions

Conversions Part 1

Format	Color
Hex	FBFFAA
RGB	251, 255, 170
RGB Percent	98%, 100%, 67%
CMY	0.0157, 0.0000, 0.3331
CMYK	0.02, 0.00, 0.33, 0.00
HSL	63°, 100%, 83%
HSV	63°, 33%, 100%
XYZ	82.8009, 94.9315, 52.0147
YIQ	244.1140, 24.9010, -27.2830

Conversions

Conversions Part 2

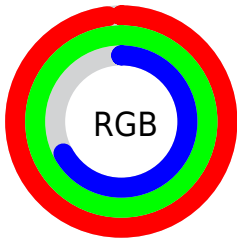
Format	Color
RYB	170, 255, 174
Decimal	16514986
CIELab	98.01, -13.87, 40.22
CIELCh	98, 42.543, 109.033
Yxy	94.9315, 0.3604, 0.4132
Android (android.graphics.Color)	4294705066 (0xFFFBFFAA)
YUV	244.1140, -36.5382, 6.0390
Hunter-Lab	97.4328, -18.8136, 36.5508

Details

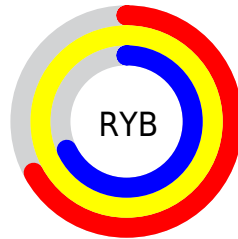
The Yxy color **94.9315, 0.3604, 0.4132** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **44.9951, 0.2552, 0.2301**, and the grayscale version is **90.8480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2710, 0.3298, 0.3572**, and **53.0100, 0.3689, 0.4307** is the 20% darker color. If you saturate the color by 10%, you get **93.8355, 0.3738, 0.4374**, and if you desaturate by 10%, it is **96.2170, 0.3462, 0.3878**.

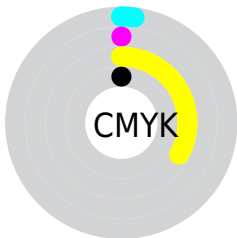
Distribution



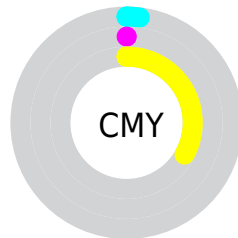
- Red (98%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (68%)



- Cyan (2%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 94.9315, 0.3604, 0.4132 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 94.9315, 0.3604, 0.4132 by changing the saturation by 10% instead.


 94.9315, 0.3604,
0.4132

 94.9315, 0.3604,
0.4132

543.9457, 0.3403,
0.3756

 72.0780, 0.3645,
0.4214


 154.1700, 0.3539,
0.4005

 53.2224, 0.3692,
0.4312


191.3237, 0.3512,
0.3954

 37.9803, 0.3748,
0.4433


234.0129, 0.3488,
0.3910

 25.9674, 0.3813,
0.4584

282.6221, 0.3468,
0.3872

 16.7993, 0.3889,
0.4776

337.5355, 0.3449,
0.3838

 10.0915, 0.3972,
0.5025

399.1377, 0.3432,

 5.4596, 0.4068,

0.3807

0.5376

467.8129, 0.3417,
0.3780

■ 2.5194, 0.4136,
0.5864

■ 0.8863, 0.3624,
0.6376

■ 94.9315, 0.3604,
0.4132

■ 94.9315, 0.3604,
0.4132

■ 93.8355, 0.3738,
0.4374

■ 96.2170, 0.3462,
0.3878

■ 92.9167, 0.3858,
0.4595

■ 97.7007, 0.3317,
0.3622

■ 92.1638, 0.3958,
0.4783

■ 99.3923, 0.3174,
0.3371

■ 91.5631, 0.4033,
0.4932

100.0000, 0.3127,
0.3290

■ 91.0991, 0.4082,
0.5037

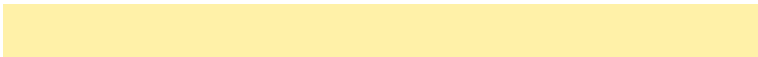
■ 90.7529, 0.4105,
0.5097

■ 90.5688, 0.4110,
0.5119

Harmonies

Analogous

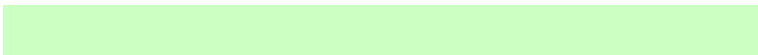
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.9315, 0.3945, 0.3953



94.9315, 0.3604, 0.4132



94.9315, 0.3149, 0.4058

Triad

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



94.9315, 0.3604, 0.4132



94.9315, 0.2271, 0.2847



94.9315, 0.3526, 0.2904

Complementary

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



94.9315, 0.3604, 0.4132



44.9951, 0.2552, 0.2301

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.



94.9315, 0.3048, 0.2652



94.9315, 0.3604, 0.4132



94.9315, 0.2352, 0.2601

Square

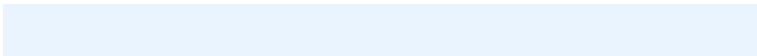
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



94.9315, 0.3604, 0.4132



94.9315, 0.2395, 0.3255



94.9315, 0.2625, 0.2540



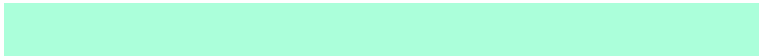
94.9315, 0.3910, 0.3249

Rectangle

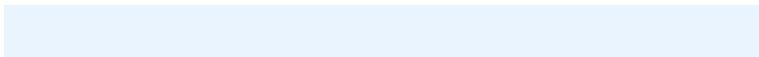
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94.9315, 0.3604, 0.4132



94.9315, 0.2846, 0.3856



94.9315, 0.2625, 0.2540



94.9315, 0.3369, 0.2807

Sweetspot

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



94.9319, 0.3604, 0.4132



98.2376, 0.3269, 0.3538



54.0072, 0.3901, 0.3322



20.9775, 0.3289, 0.3573



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

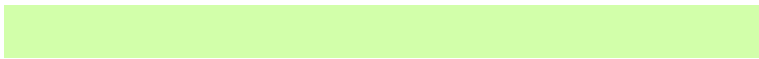
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.9319, 0.3604, 0.4132



94.1784, 0.3695, 0.4296



88.0812, 0.3326, 0.4215



21.0445, 0.3262, 0.3525



47.3433, 0.4111, 0.5118



4.6226, 0.4121, 0.5110

Inverse Universe

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



44.9951, 0.2552, 0.2301



37.2526, 0.2413, 0.2067



50.4907, 0.2854, 0.2379



17.4186, 0.2986, 0.3045



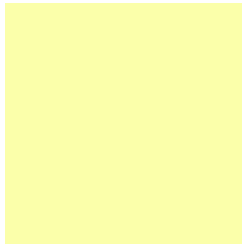
3.8308, 0.1514, 0.0608



0.3867, 0.1547, 0.0626

Previews

White Background



This preview shows how the Yxy color 94.9315, 0.3604, 0.4132 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 94.9315, 0.3604, 0.4132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

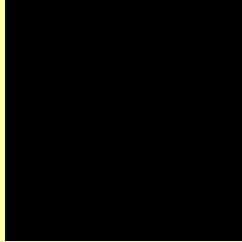
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 94.9315, 0.3604, 0.4132

Background



This preview shows how black text looks on a background with the Yxy color 94.9315, 0.3604, 0.4132.

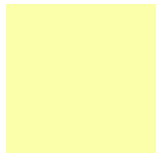


This preview shows how white text looks on a background with the Yxy color 94.9315, 0.3604, 0.4132.

Color Blindness Simulation

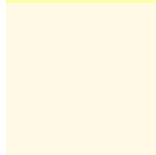
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



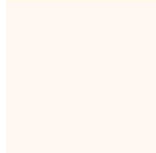
Original Color

94.9315, 0.3604, 0.4132



Protanopia

94.7245, 0.3280, 0.3475



Deuteranopia

94.8056, 0.3208, 0.3348

Tritanopia

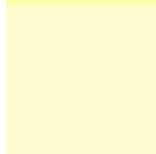
95.0015, 0.3131, 0.3214

Trichromacy



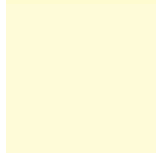
Original Color

94.9315, 0.3604, 0.4132



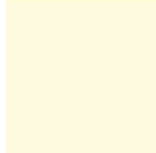
Protanomaly

94.6193, 0.3406, 0.3714



Deuteranomaly

95.0231, 0.3357, 0.3634



Tritanomaly

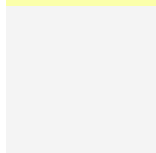
94.8239, 0.3309, 0.3545

Monochromacy



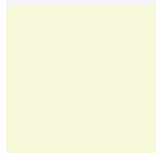
Original Color

94.9315, 0.3604, 0.4132



Achromatopsia

90.4661, 0.3127, 0.3290



Achromatomaly

91.9187, 0.3308, 0.3600

CSS Examples

Text

The CSS property to change the color of the text to Yxy 94.9315, 0.3604, 0.4132 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(251, 255, 170)` looks like.

```
.text, #text, p{  
    color:rgb(251, 255, 170)  
}
```

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(251, 255, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 255, 170) }
```

Border

The CSS property to change the border of an element to Yxy 94.9315, 0.3604, 0.4132 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(251, 255, 170) }
```

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

```
.border{ border-color:rgb(251, 255, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 255, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 255, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 255, 170);  
box-shadow:4px 4px 4px 4px rgb(251, 255,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 94.9315, 0.3604, 0.4132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 255, 170) }
```

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

```
.background{ background-color: rgb(251,  
255, 170) }
```

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