

Converting Colors

$Y_{xy}(100.0000, 0.3383, 0.4002)$

Have a look what the booklet for
Yxy(100.0000, 0.3383, 0.4002)
contains.

Yxy(94.0710, 0.3402, 0.3919)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(94.0710, 0.3402, 0.3919)

Conversions

Conversions Part 1

Format	Color
Hex	F1FFC1
RGB	241, 255, 193
RGB Percent	95%, 100%, 76%
CMY	0.0549, 0.0000, 0.2431
CMYK	0.05, 0.00, 0.24, 0.00
HSL	74°, 100%, 88%
HSV	74°, 24%, 100%
XYZ	81.6610, 94.0710, 64.3063
YIQ	243.7460, 11.5580, -22.2500

Conversions

Conversions Part 2

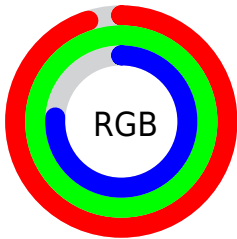
Format	Color
RYB	193, 255, 207
Decimal	15859649
CIELab	97.66, -14.59, 28.17
CIElCh	98, 31.718, 117.378
Yxy	94.0710, 0.3402, 0.3919
Android (android.graphics.Color)	4294049729 (0xFFFF1FFC1)
YUV	243.7460, -25.0178, -2.4082
Hunter-Lab	96.9902, -19.4446, 28.5828

Details

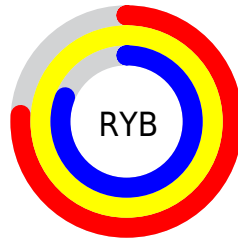
The Yxy color **94.0710, 0.3402, 0.3919** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **58.6274, 0.2805, 0.2616**, and the grayscale version is **90.4494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6821, 0.3156, 0.3338**, and **52.4426, 0.3452, 0.4057** is the 20% darker color. If you saturate the color by 10%, you get **92.0318, 0.3511, 0.4190**, and if you desaturate by 10%, it is **96.3385, 0.3289, 0.3652**.

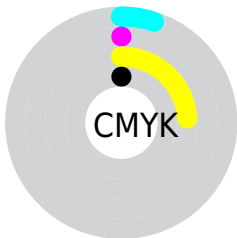
Distribution



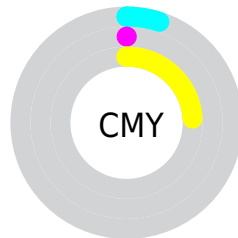
- Red (95%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (81%)



- Cyan (5%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (5%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 94.0710, 0.3402, 0.3919 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 94.0710, 0.3402, 0.3919 by changing the saturation by 10% instead.

 94.0710, 0.3402,
0.3919

 94.0710, 0.3402,
0.3919


541.1866, 0.3285,
0.3635

 71.3620, 0.3426,
0.3982

 152.9805, 0.3364,
0.3822

 52.6377, 0.3455,
0.4059


189.9499, 0.3348,
0.3784

 37.5136, 0.3488,
0.4154


232.4414, 0.3334,
0.3751

 25.6054, 0.3529,
0.4276

280.8396, 0.3322,
0.3722

 16.5287, 0.3579,
0.4436

335.5288, 0.3312,
0.3696

 9.8990, 0.3639,
0.4655

396.8935, 0.3302,

 5.3321, 0.3707,

0.3673

0.4968

465.3179, 0.3293,
0.3653

■ 2.4434, 0.3937,
0.5691

■ 0.8481, 0.3467,
0.6533

■ 94.0710, 0.3402,
0.3919

■ 94.0710, 0.3402,
0.3919

■ 92.0318, 0.3511,
0.4190

■ 96.3385, 0.3289,
0.3652

■ 90.2105, 0.3611,
0.4455

■ 98.8439, 0.3175,
0.3396

■ 88.5958, 0.3696,
0.4705

100.0000, 0.3127,
0.3290

■ 87.1754, 0.3761,
0.4927

■ 85.9352, 0.3802,
0.5110

■ 84.8592, 0.3817,
0.5247

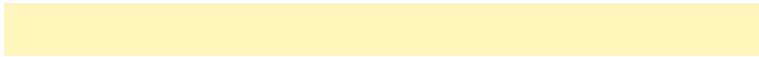
■ 83.9275, 0.3806,
0.5337

■ 83.4462, 0.3791,
0.5372

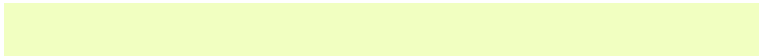
Harmonies

Analogous

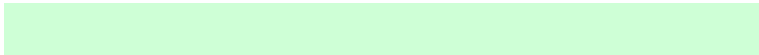
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.0710, 0.3688, 0.3846



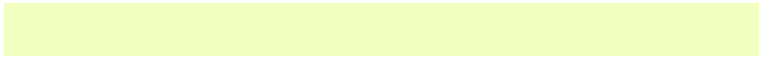
94.0710, 0.3402, 0.3919



94.0710, 0.3053, 0.3800

Triad

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



94.0710, 0.3402, 0.3919



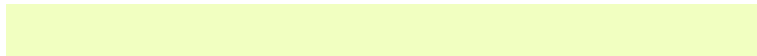
94.0710, 0.2475, 0.2897



94.0710, 0.3518, 0.3067

Complementary

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



94.0710, 0.3402, 0.3919



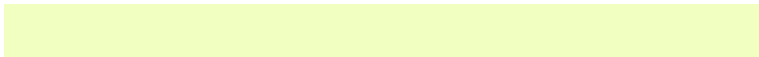
58.6274, 0.2805, 0.2616

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.



94.0710, 0.3172, 0.2846



94.0710, 0.3402, 0.3919



94.0710, 0.2582, 0.2740

Square

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



94.0710, 0.3402, 0.3919



94.0710, 0.2529, 0.3178



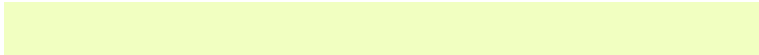
94.0710, 0.2830, 0.2727



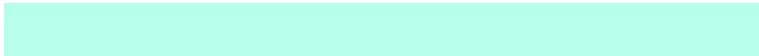
94.0710, 0.3763, 0.3347

Rectangle

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



94.0710, 0.3402, 0.3919



94.0710, 0.2833, 0.3625



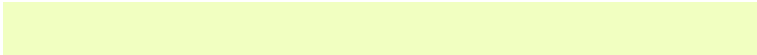
94.0710, 0.2830, 0.2727



94.0710, 0.3409, 0.2984

Sweetspot

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



94.0711, 0.3402, 0.3919



98.1467, 0.3206, 0.3463



69.4632, 0.3607, 0.3430



20.9744, 0.3212, 0.3479



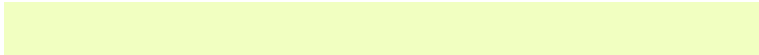
0.0000, 0.0000, 0.0000



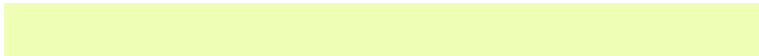
21.4041, 0.3127, 0.3290

Same Dimension

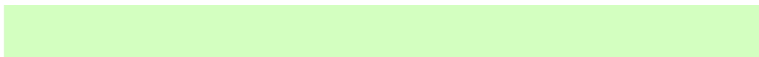
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.0711, 0.3402, 0.3919



93.0873, 0.3454, 0.4046



89.1557, 0.3204, 0.3960



20.8718, 0.3234, 0.3527



43.6722, 0.3798, 0.5366



4.3004, 0.3845, 0.5329

Inverse Universe

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



58.6274, 0.2805, 0.2616



52.2599, 0.2730, 0.2468



63.4408, 0.3025, 0.2658



17.5756, 0.3014, 0.3047



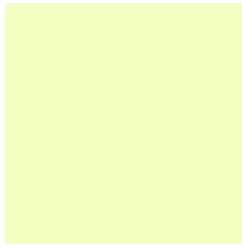
4.2903, 0.1619, 0.0666



0.4639, 0.1724, 0.0723

Previews

White Background



This preview shows how the Yxy color 94.0710, 0.3402, 0.3919 looks on a white background.

Color Contrast Check

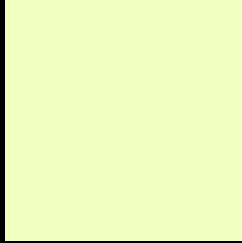
Large Text (above 18pt) WCAG AA × Fail

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 94.0710, 0.3402, 0.3919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

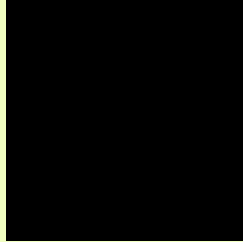
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

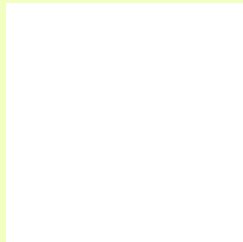
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 94.0710, 0.3402, 0.3919

Background



This preview shows how black text looks on a background with the Yxy color 94.0710, 0.3402, 0.3919.

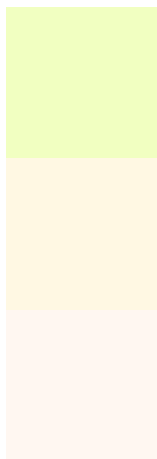


This preview shows how white text looks on a background with the Yxy color 94.0710, 0.3402, 0.3919.

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

94.0710, 0.3402, 0.3919

Protanopia

93.9409, 0.3300, 0.3496

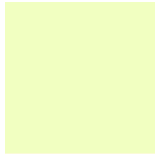
Deuteranopia

94.1324, 0.3215, 0.3348

Tritanopia

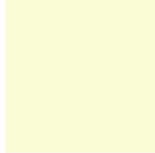
93.8813, 0.3093, 0.3213

Trichromacy



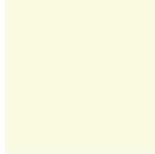
Original Color

94.0710, 0.3402, 0.3919



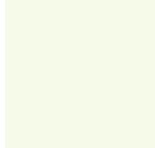
Protanomaly

94.2247, 0.3336, 0.3647



Deuteranomaly

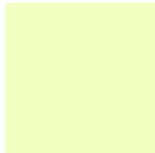
94.0770, 0.3283, 0.3547



Tritanomaly

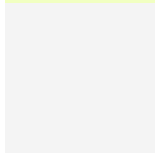
93.7902, 0.3208, 0.3468

Monochromacy



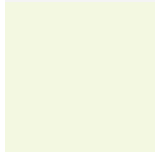
Original Color

94.0710, 0.3402, 0.3919



Achromatopsia

90.4661, 0.3127, 0.3290



Achromatomaly

91.6257, 0.3233, 0.3521

CSS Examples

Text

The CSS property to change the color of the text to Yxy 94.0710, 0.3402, 0.3919 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(241, 255, 193)` looks like.

```
.text, #text, p{  
    color:rgb(241, 255, 193)  
}
```

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(241, 255, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 255, 193) }
```

Border

The CSS property to change the border of an element to Yxy 94.0710, 0.3402, 0.3919 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(241, 255, 193) }
```

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

```
.border{ border-color:rgb(241, 255, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 255, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 255, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 255, 193);  
box-shadow:4px 4px 4px 4px rgb(241, 255,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 94.0710, 0.3402, 0.3919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 255, 193) }
```

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

```
.background{ background-color: rgb(241,  
255, 193) }
```

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