

Converting Colors

$Y_{xy}(94.5330, 0.3639, 0.4112)$

Have a look what the booklet for
Yxy(94.5330, 0.3639, 0.4112)
contains.

| | |
|---|----|
| Yxy(94.4128, 0.3638, 0.4107) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(94.4128, 0.3638, 0.4107)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFFDAA |
| RGB | 255, 253, 170 |
| RGB Percent | 100%, 99%, 67% |
| CMY | 0.0000, 0.0079, 0.3334 |
| CMYK | 0.00, 0.01, 0.33, 0.00 |
| HSL | 59°, 100%, 83% |
| HSV | 59°, 33%, 100% |
| XYZ | 83.6313, 94.4128, 51.8385 |
| YIQ | 244.1360, 27.8350, -25.3890 |

Conversions

Conversions Part 2

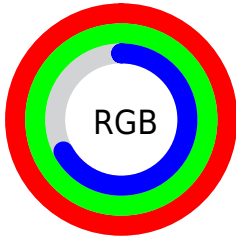
| Format | Color |
|-------------------------------------|--|
| RYB | 172, 255, 170 |
| Decimal | 16776618 |
| CIELab | 97.80, -11.39, 40.03 |
| CIElCh | 98, 41.622, 105.876 |
| Yxy | 94.4128, 0.3638, 0.4107 |
| Android (android.graphics.Color) | 4294966698 (0xFFFFDAA) |
| YUV | 244.1360, -36.5490, 9.5277 |
| Hunter-Lab | 97.1662, -16.4054, 36.3850 |

Details

The Yxy color **94.4128, 0.3638, 0.4107** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.2671, 0.2527, 0.2317**, and the grayscale version is **90.8584, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2710, 0.3298, 0.3572**, and **52.6345, 0.3733, 0.4273** is the 20% darker color. If you saturate the color by 10%, you get **93.1567, 0.3784, 0.4339**, and if you desaturate by 10%, it is **95.8499, 0.3484, 0.3862**.

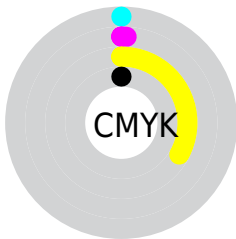
Distribution



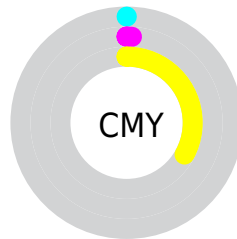
- Red (100%)
- Green (99%)
- Blue (67%)



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



- Cyan (0%)
- Magenta (1%)
- Yellow (33%)
- Black (0%)





- Cyan (0%)
- Magenta (1%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 94.4128, 0.3638, 0.4107 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 94.4128, 0.3638, 0.4107 by changing the saturation by 10% instead.


 94.4128, 0.3638,
0.4107

 94.4128, 0.3638,
0.4107


542.2834, 0.3421,
0.3743

 71.6463, 0.3682,
0.4186

 153.4531, 0.3567,
0.3984

 52.8698, 0.3734,
0.4280


190.4958, 0.3538,
0.3935

 37.6989, 0.3796,
0.4396


233.0659, 0.3513,
0.3893

 25.7491, 0.3868,
0.4540

281.5480, 0.3490,
0.3856

 16.6360, 0.3954,
0.4723

336.3264, 0.3470,
0.3823

 9.9753, 0.4051,
0.4957

397.7855, 0.3452,

 5.3826, 0.4170,

0.3793

0.5288

466.3097, 0.3436,
0.3767

■ 2.4734, 0.4268,
0.5732

■ 0.8633, 0.3859,
0.6141

■ 94.4128, 0.3638,
0.4107

■ 94.4128, 0.3638,
0.4107

■ 93.1567, 0.3784,
0.4339

■ 95.8499, 0.3484,
0.3862

■ 92.0818, 0.3918,
0.4549

■ 97.4890, 0.3329,
0.3614

■ 91.1723, 0.4032,
0.4726

■ 99.3358, 0.3177,
0.3370

■ 90.4150, 0.4122,
0.4862

100.0000, 0.3127,
0.3290

■ 89.7941, 0.4186,
0.4955

■ 89.2906, 0.4222,
0.5004

■ 89.0022, 0.4236,
0.5019

Harmonies

Analogous

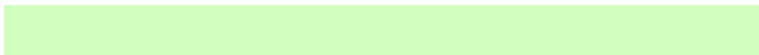
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.4128, 0.3954, 0.3912



94.4128, 0.3638, 0.4107



94.4128, 0.3198, 0.4063

Triad

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



94.4128, 0.3638, 0.4107



94.4128, 0.2290, 0.2892



94.4128, 0.3471, 0.2880

Complementary

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



94.4128, 0.3638, 0.4107



45.2671, 0.2527, 0.2317

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.



94.4128, 0.3002, 0.2645



94.4128, 0.3638, 0.4107



94.4128, 0.2348, 0.2631

Square

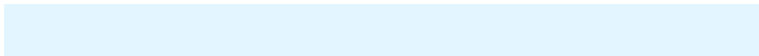
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



94.4128, 0.3638, 0.4107



94.4128, 0.2433, 0.3305



94.4128, 0.2598, 0.2552



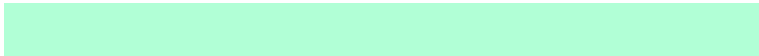
94.4128, 0.3864, 0.3213

Rectangle

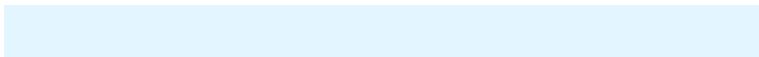
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94.4128, 0.3638, 0.4107



94.4128, 0.2897, 0.3882



94.4128, 0.2598, 0.2552



94.4128, 0.3315, 0.2789

Sweetspot

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



94.4091, 0.3638, 0.4107



98.0820, 0.3277, 0.3532



53.0151, 0.3885, 0.3262



20.9395, 0.3299, 0.3566



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

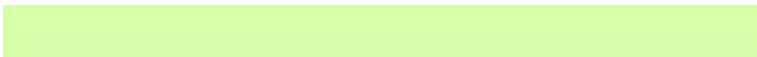
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.4091, 0.3638, 0.4107



93.5545, 0.3737, 0.4264



88.9185, 0.3363, 0.4204



21.0128, 0.3270, 0.3519



46.5388, 0.4235, 0.5019



4.5537, 0.4230, 0.5024

Inverse Universe

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



45.2671, 0.2527, 0.2317



37.5703, 0.2386, 0.2086



49.6167, 0.2810, 0.2367



17.4463, 0.2978, 0.3050



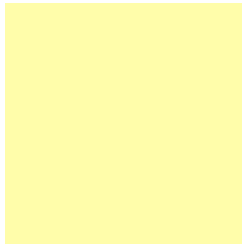
3.8705, 0.1504, 0.0614



0.4000, 0.1513, 0.0648

Previews

White Background



This preview shows how the Yxy color 94.4128, 0.3638, 0.4107 looks on a white background.

Color Contrast Check

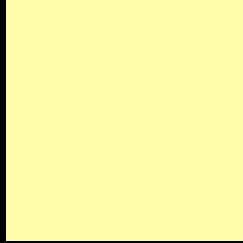
Large Text (above 18pt) WCAG AA × Fail

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 94.4128, 0.3638, 0.4107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

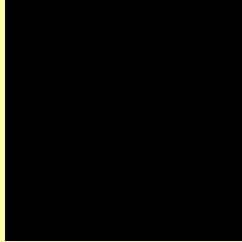
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 94.4128, 0.3638, 0.4107

Background



This preview shows how black text looks on a background with the Yxy color 94.4128, 0.3638, 0.4107.

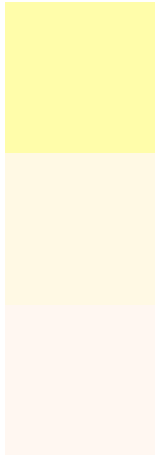


This preview shows how white text looks on a background with the Yxy color 94.4128, 0.3638, 0.4107.

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

94.4128, 0.3638, 0.4107

Protanopia

94.6128, 0.3292, 0.3495

Deuteranopia

94.1324, 0.3215, 0.3348



Tritanopia

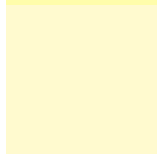
94.2634, 0.3143, 0.3223

Trichromacy



Original Color

94.4128, 0.3638, 0.4107



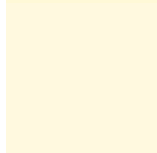
Protanomaly

94.1362, 0.3420, 0.3714



Deuteranomaly

93.9177, 0.3372, 0.3625



Tritanomaly

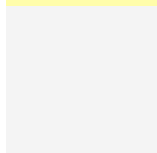
94.3391, 0.3323, 0.3545

Monochromacy



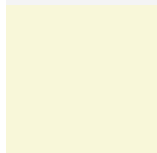
Original Color

94.4128, 0.3638, 0.4107



Achromatopsia

90.4661, 0.3127, 0.3290



Achromatomaly

91.4877, 0.3316, 0.3590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 94.4128, 0.3638, 0.4107 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(255, 253, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 253, 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(255, 253, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 170) }
```

Border

The CSS property to change the border of an element to Yxy 94.4128, 0.3638, 0.4107 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(255, 253, 170) }
```

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

```
.border{ border-color:rgb(255, 253, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 253, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 253, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 253, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 253,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 94.4128, 0.3638, 0.4107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 253, 170) }
```

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

```
.background{ background-color: rgb(255,  
253, 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