

# Converting Colors

$Y_{xy}(94.9110, 0.3272, 0.3496)$

Have a look what the booklet for  
Yxy(94.9110, 0.3272, 0.3496)  
contains.

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# Color

**Yxy(94.9110, 0.3272, 0.3496)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">FDFAE5</a>
RGB	<a href="#">253, 250, 229</a>
RGB Percent	<a href="#">99%, 98%, 90%</a>
CMY	<a href="#">0.0079, 0.0196, 0.1021</a>
CMYK	<a href="#">0.00, 0.01, 0.09, 0.01</a>
HSL	<a href="#">53°, 86%, 95%</a>
HSV	<a href="#">53°, 9%, 99%</a>
XYZ	<a href="#">88.8297, 94.9110, 87.7438</a>
YIQ	<a href="#">248.5030, 8.5290, -5.8950</a>

# Conversions

## Conversions Part 2

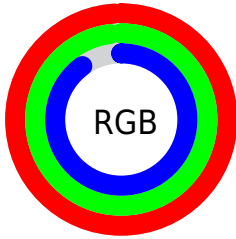
Format	Color
R <sub>Y</sub> B	232, 253, 229
Decimal	16644837
CIE Lab	98.00, -2.52, 10.43
CIE LCh	98, 10.733, 103.575
Yxy	94.9110, 0.3272, 0.3496
Android (android.graphics.Color)	4294834917 (0xFFFDFAE5)
YUV	248.5030, -9.6150, 3.9439
Hunter-Lab	97.4223, -7.7325, 14.7958

# Details

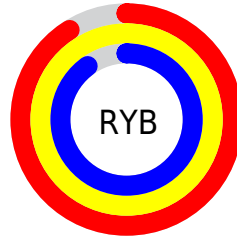
The Yxy color **94.9110, 0.3272, 0.3496** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.4279, 0.2979, 0.3075**, and the grayscale version is **94.3775, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **53.3753, 0.3296, 0.3539** is the 20% darker color. If you saturate the color by 10%, you get **91.6711, 0.3433, 0.3720**, and if you desaturate by 10%, it is **98.3976, 0.3120, 0.3279**.

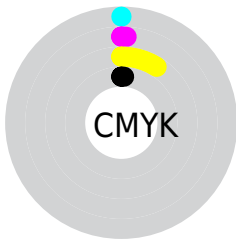
# Distribution



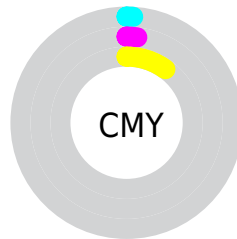
- Red (99%)
- Green (98%)
- Blue (90%)



- Red (91%)
- Yellow (99%)
- Blue (90%)



- Cyan (0%)
- Magenta (1%)
- Yellow (9%)
- Black (1%)




- Cyan (1%)
- Magenta (2%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.9110, 0.3272, 0.3496 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 94.9110, 0.3272, 0.3496 by changing the saturation by 10% instead.




 94.9110, 0.3272,  
0.3496

 94.9110, 0.3272,  
0.3496


543.8800, 0.3208,  
0.3405

 72.0609, 0.3286,  
0.3516


154.1416, 0.3251,  
0.3465

 53.2084, 0.3303,  
0.3540


191.2910, 0.3242,  
0.3453

 37.9692, 0.3323,  
0.3570


233.9755, 0.3235,  
0.3442

 25.9588, 0.3349,  
0.3609

282.5796, 0.3228,  
0.3433

 16.7928, 0.3383,  
0.3659

337.4878, 0.3222,  
0.3425

 10.0869, 0.3430,  
0.3728

399.0843, 0.3217,

 5.4566, 0.3496,

0.3417

0.3829

467.7536, 0.3213,  
0.3411

■ 2.5176, 0.3599,  
0.3989

■ 0.8854, 0.4105,  
0.4660

■ 94.9110, 0.3272,  
0.3496

■ 94.9110, 0.3272,  
0.3496

■ 91.6711, 0.3433,  
0.3720

■ 98.3976, 0.3120,  
0.3279

■ 88.6563, 0.3599,  
0.3946

■ 99.6206, 0.3115,  
0.3290

■ 85.8611, 0.3765,  
0.4166

■ 83.2752, 0.3926,  
0.4370

■ 80.8869, 0.4074,  
0.4549

■ 78.6836, 0.4203,  
0.4692

■ 76.6507, 0.4307,  
0.4793

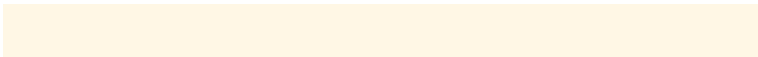
■ 74.7709, 0.4383,  
0.4847

■ 73.0176, 0.4432,  
0.4861

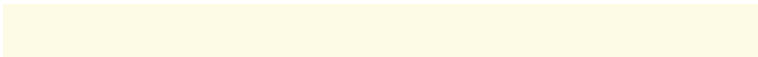
# Harmonies

## Analogous

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



94.9110, 0.3345, 0.3455



94.9110, 0.3272, 0.3496



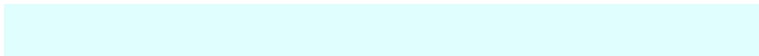
94.9110, 0.3161, 0.3481

# Triad

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



94.9110, 0.3272, 0.3496



94.9110, 0.2902, 0.3203



94.9110, 0.3209, 0.3173

# Complementary

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



94.9110, 0.3272, 0.3496



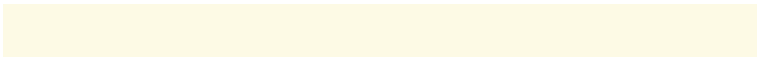
81.4279, 0.2979, 0.3075

# Split Complementary

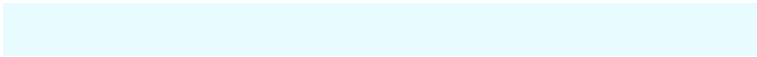
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.9110, 0.3090, 0.3108



94.9110, 0.3272, 0.3496



94.9110, 0.2914, 0.3123

# Square

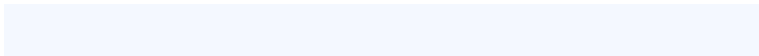
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



94.9110, 0.3272, 0.3496



94.9110, 0.2949, 0.3309



94.9110, 0.2982, 0.3090



94.9110, 0.3308, 0.3268

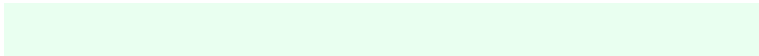


# Rectangle

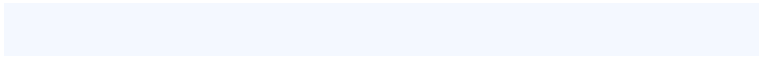
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94.9110, 0.3272, 0.3496



94.9110, 0.3081, 0.3440



94.9110, 0.2982, 0.3090



94.9110, 0.3170, 0.3147

# Sweetspot

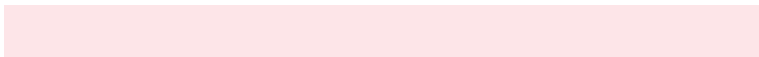
The Sweet Spot groups the original color and five complimentary colors.



94.9152, 0.3272, 0.3496



98.9136, 0.3172, 0.3354



82.7391, 0.3273, 0.3259



21.1103, 0.3184, 0.3372



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.



94.9152, 0.3272, 0.3496



96.1254, 0.3296, 0.3530



95.1649, 0.3212, 0.3528



20.6838, 0.3272, 0.3496



38.9479, 0.4430, 0.4865



3.8954, 0.4399, 0.4889



# Inverse Universe

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



81.4279, 0.2979, 0.3075



80.3739, 0.2954, 0.3039



81.2523, 0.3036, 0.3049



17.7403, 0.2979, 0.3075



4.4136, 0.1525, 0.0690

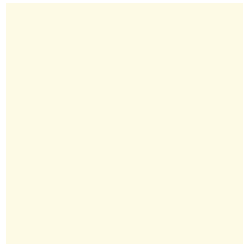


0.5388, 0.1567, 0.0841



# Previews

## White Background



This preview shows how the Yxy color 94.9110, 0.3272, 0.3496 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 94.9110, 0.3272, 0.3496 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

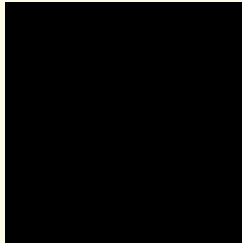
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 94.9110, 0.3272, 0.3496**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.9110, 0.3272, 0.3496.

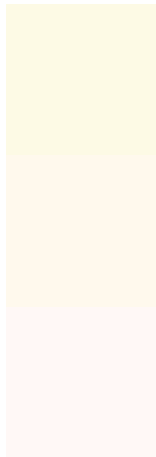


This preview shows how white text looks on a background with the Yxy color 94.9110, 0.3272, 0.3496.

# 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

94.9110, 0.3272, 0.3496

### Protanopia

95.1258, 0.3237, 0.3407

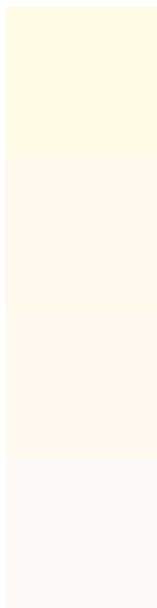
### Deuteranopia

95.0486, 0.3184, 0.3309

## Tritanopia

95.2374, 0.3118, 0.3223

# Trichromacy



## Original Color

94.9110, 0.3272, 0.3496

## Protanomaly

94.7627, 0.3249, 0.3436

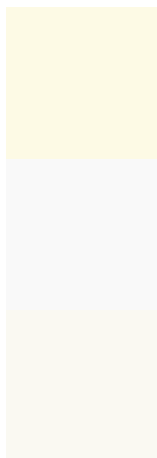
## Deuteranomaly

95.1135, 0.3213, 0.3377

## Tritanomaly

95.2878, 0.3170, 0.3319

# Monochromacy



## Original Color

94.9110, 0.3272, 0.3496

## Achromatopsia

94.7307, 0.3127, 0.3290

## Achromatomaly

94.4862, 0.3175, 0.3358

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.9110, 0.3272, 0.3496 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(253, 250, 229)` looks like.

```
.text, #text, p{  
    color:rgb(253, 250, 229)  
}
```

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(253, 250, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 250, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 94.9110, 0.3272, 0.3496 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(253, 250, 229) }
```

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

```
.border{ border-color:rgb(253, 250, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 250, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 250, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 250, 229);  
box-shadow:4px 4px 4px 4px rgb(253, 250,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.9110, 0.3272, 0.3496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 250, 229) }
```

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

```
.background{ background-color: rgb(253,  
250, 229) }
```

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](#).

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