

# Converting Colors

$Y_{xy}(100.0000, 0.3489, 0.3502)$

Have a look what the booklet for  
Yxy(100.0000, 0.3489, 0.3502)  
contains.

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# Color

**Yxy(94.5024, 0.3304, 0.3515)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF9E2
RGB	255, 249, 226
RGB Percent	100%, 98%, 89%
CMY	0.0002, 0.0234, 0.1137
CMYK	0.00, 0.02, 0.11, 0.00
HSL	48°, 100%, 94%
HSV	48°, 11%, 100%
XYZ	88.8296, 94.5024, 85.5227
YIQ	248.1720, 10.9590, -5.8810

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	234, 255, 226
Decimal	16775650
CIELab	97.83, -1.81, 11.73
CIELCh	98, 11.873, 98.784
Yxy	94.5024, 0.3304, 0.3515
Android (android.graphics.Color)	4294965730 (0xFFFFF9E2)
YUV	248.1720, -10.9308, 5.9882
Hunter-Lab	97.2123, -7.0139, 15.8882

# Details

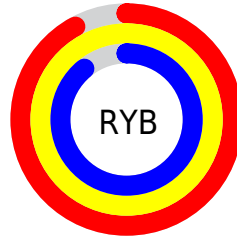
The Yxy color **94.5024, 0.3304, 0.3515** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.0683, 0.2948, 0.3055**, and the grayscale version is **94.0996, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **53.0860, 0.3337, 0.3564** is the 20% darker color. If you saturate the color by 10%, you get **90.0267, 0.3472, 0.3721**, and if you desaturate by 10%, it is **99.2842, 0.3147, 0.3316**.

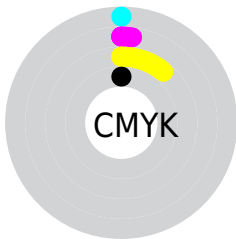
# Distribution



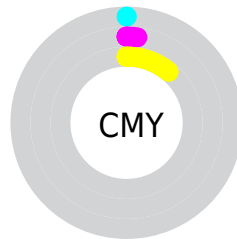
- Red (100%)
- Green (98%)
- Blue (89%)



- Red (92%)
- Yellow (100%)
- Blue (89%)



- Cyan (0%)
- Magenta (2%)
- Yellow (11%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.5024, 0.3304, 0.3515 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 94.5024, 0.3304, 0.3515 by changing the saturation by 10% instead.



 94.5024, 0.3304,  
0.3515

 94.5024, 0.3304,  
0.3515

542.5707, 0.3226,  
0.3415

 71.7209, 0.3321,  
0.3537

153.5770, 0.3278,  
0.3481

 52.9307, 0.3341,  
0.3563

190.6388, 0.3267,  
0.3468

 37.7475, 0.3367,  
0.3596


233.2296, 0.3258,  
0.3456

 25.7867, 0.3399,  
0.3638

281.7336, 0.3250,  
0.3446

 16.6642, 0.3441,  
0.3693

336.5354, 0.3243,  
0.3437

 9.9953, 0.3498,  
0.3768

398.0192, 0.3237,

 5.3959, 0.3579,

0.3429

0.3876

466.5695, 0.3231,  
0.3422

■ 2.4814, 0.3706,  
0.4048

■ 0.8673, 0.4404,  
0.4896

■ 94.5024, 0.3304,  
0.3515

■ 94.5024, 0.3304,  
0.3515

■ 90.0267, 0.3472,  
0.3721

■ 99.2842, 0.3147,  
0.3316

■ 85.8347, 0.3648,  
0.3929

■ 99.9895, 0.3127,  
0.3290

■ 81.9201, 0.3829,  
0.4131

■ 78.2714, 0.4007,  
0.4318

■ 74.8761, 0.4177,  
0.4479

■ 71.7205, 0.4329,  
0.4605

■ 68.7886, 0.4456,  
0.4687

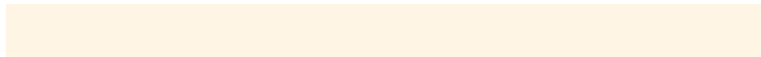
■ 66.0615, 0.4554,  
0.4720

■ 63.8419, 0.4618,  
0.4716

# Harmonies

## Analogous

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



94.5024, 0.3375, 0.3460



94.5024, 0.3304, 0.3515



94.5024, 0.3186, 0.3509

# Triad

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



94.5024, 0.3304, 0.3515



94.5024, 0.2882, 0.3210



94.5024, 0.3198, 0.3146

# Complementary

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



94.5024, 0.3304, 0.3515



81.0683, 0.2948, 0.3055

# Split Complementary

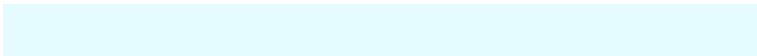
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.5024, 0.3065, 0.3082



94.5024, 0.3304, 0.3515



94.5024, 0.2884, 0.3116

# Square

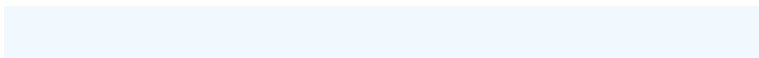
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



94.5024, 0.3304, 0.3515



94.5024, 0.2943, 0.3330



94.5024, 0.2951, 0.3070

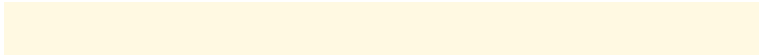


94.5024, 0.3314, 0.3248

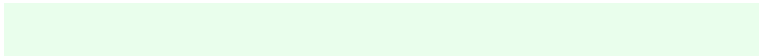


# Rectangle

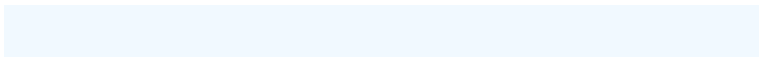
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94.5024, 0.3304, 0.3515



94.5024, 0.3097, 0.3469



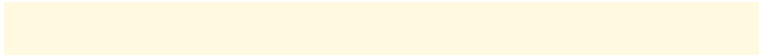
94.5024, 0.2951, 0.3070



94.5024, 0.3153, 0.3120

# Sweetspot

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



94.5066, 0.3304, 0.3515



98.5218, 0.3172, 0.3348



81.4949, 0.3289, 0.3228



21.0041, 0.3185, 0.3364



0.0000, 0.0000, 0.0000

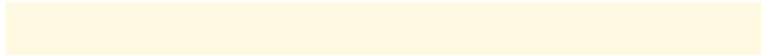


21.4041, 0.3127, 0.3290

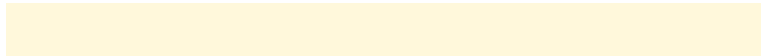


# Same Dimension

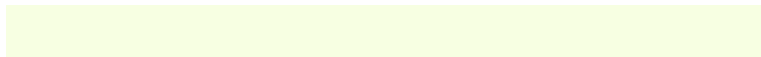
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.5066, 0.3304, 0.3515



93.3351, 0.3348, 0.3569



96.7051, 0.3244, 0.3576



20.4219, 0.3274, 0.3478



33.5956, 0.4609, 0.4722



3.4230, 0.4553, 0.4767



# Inverse Universe

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



81.0683, 0.2948, 0.3055



77.0513, 0.2904, 0.2994



79.1481, 0.3001, 0.2997



17.9800, 0.2979, 0.3095



5.2339, 0.1556, 0.0801

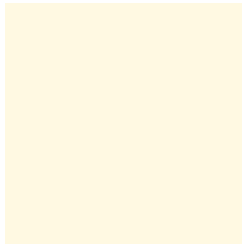


0.6565, 0.1610, 0.0994



# Previews

## White Background



This preview shows how the Yxy color 94.5024, 0.3304, 0.3515 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

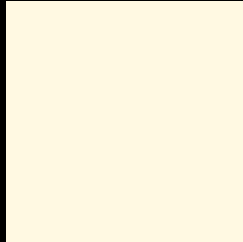
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.5024, 0.3304, 0.3515 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

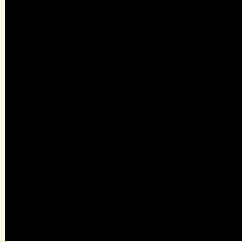
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 94.5024, 0.3304, 0.3515**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.5024, 0.3304, 0.3515.

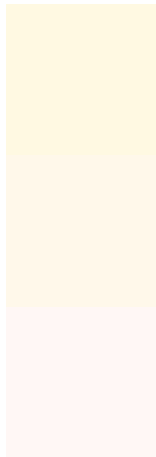


This preview shows how white text looks on a background with the Yxy color 94.5024, 0.3304, 0.3515.

# 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

94.5024, 0.3304, 0.3515

### Protanopia

94.3353, 0.3257, 0.3426

### Deuteranopia

94.3741, 0.3191, 0.3309

## Tritanopia

94.8124, 0.3124, 0.3213

# Trichromacy



## Original Color

94.5024, 0.3304, 0.3515

## Protanomaly

94.1643, 0.3275, 0.3456

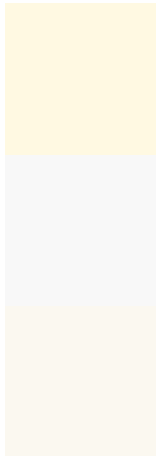
## Deuteranomaly

94.5678, 0.3232, 0.3387

## Tritanomaly

94.7373, 0.3189, 0.3329

# Monochromacy



## Original Color

94.5024, 0.3304, 0.3515

## Achromatopsia

93.8686, 0.3127, 0.3290

## Achromatomaly

93.9353, 0.3194, 0.3368

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.5024, 0.3304, 0.3515 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, 249, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 226)  
}
```

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, 249, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 94.5024, 0.3304, 0.3515 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, 249, 226) }
```

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

```
.border{ border-color:rgb(255, 249, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 249, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.5024, 0.3304, 0.3515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 226) }
```

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

```
.background{ background-color: rgb(255,  
249, 226) }
```

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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