

# Converting Colors

$Y_{xy}(100.0000, 0.3649, 0.3766)$

Have a look what the booklet for  
Yxy(100.0000, 0.3649, 0.3766)  
contains.

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# **Color**

**Yxy(94.4245, 0.3462, 0.3793)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFBC8
RGB	255, 251, 200
RGB Percent	100%, 98%, 78%
CMY	0.0000, 0.0158, 0.2156
CMYK	0.00, 0.02, 0.22, 0.00
HSL	56°, 100%, 89%
HSV	56°, 22%, 100%
XYZ	86.1845, 94.4245, 68.3352
YIQ	246.3820, 18.7550, -15.0130

# Conversions

## Conversions Part 2

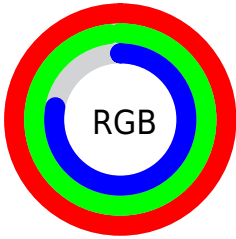
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 255, 200
Decimal	16776136
CIE <sub>Lab</sub>	97.80, -6.58, 24.98
CIE <sub>LCh</sub>	98, 25.829, 104.758
Yxy	94.4245, 0.3462, 0.3793
Android (android.graphics.Color)	4294966216 (0xFFFFFBC8)
YUV	246.3820, -22.8663, 7.5580
Hunter-Lab	97.1723, -11.7355, 26.3257

# Details

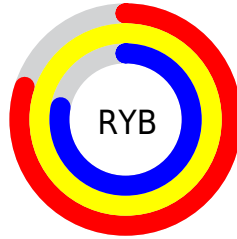
The Yxy color **94.4245, 0.3462, 0.3793** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.7030, 0.2765, 0.2732**, and the grayscale version is **92.6535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **53.1113, 0.3528, 0.3905** is the 20% darker color. If you saturate the color by 10%, you get **92.1612, 0.3622, 0.4029**, and if you desaturate by 10%, it is **96.8776, 0.3303, 0.3556**.

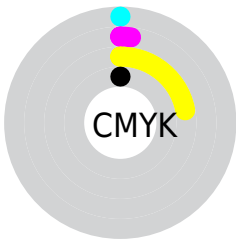
# Distribution



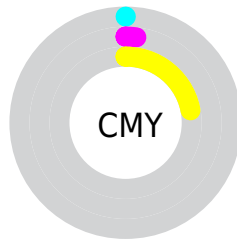
- Red (100%)
- Green (98%)
- Blue (78%)



- Red (80%)
- Yellow (100%)
- Blue (78%)



- Cyan (0%)
- Magenta (2%)
- Yellow (22%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.4245, 0.3462, 0.3793 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 94.4245, 0.3462, 0.3793 by changing the saturation by 10% instead.



 94.4245, 0.3462,  
0.3793

 94.4245, 0.3462,  
0.3793


542.3209, 0.3316,  
0.3569

 71.6561, 0.3493,  
0.3842

153.4693, 0.3413,  
0.3717

 52.8778, 0.3530,  
0.3902


190.5144, 0.3394,  
0.3687

 37.7052, 0.3576,  
0.3975


233.0873, 0.3377,  
0.3661

 25.7540, 0.3632,  
0.4068

281.5723, 0.3362,  
0.3638

 16.6397, 0.3703,  
0.4190

336.3537, 0.3349,  
0.3618

 9.9779, 0.3796,  
0.4354

397.8160, 0.3337,

 5.3843, 0.3918,

0.3600

0.4585

466.3437, 0.3326,  
0.3583

■ 2.4745, 0.4160,  
0.5028

■ 0.8638, 0.4333,  
0.5667

■ 94.4245, 0.3462,  
0.3793

■ 94.4245, 0.3462,  
0.3793

■ 92.1612, 0.3622,  
0.4029

■ 96.8776, 0.3303,  
0.3556

■ 90.1086, 0.3779,  
0.4256

■ 99.5604, 0.3150,  
0.3325

■ 88.2457, 0.3926,  
0.4463

■ 100.0000, 0.3127,  
0.3290

■ 86.5607, 0.4057,  
0.4641

■ 85.0404, 0.4165,  
0.4782

■ 83.6697, 0.4247,  
0.4878

■ 82.4301, 0.4302,  
0.4929

■ 81.4629, 0.4330,  
0.4944

# Harmonies

## Analogous

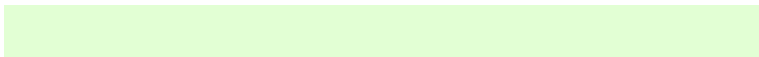
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.4245, 0.3648, 0.3683



94.4245, 0.3462, 0.3793



94.4245, 0.3191, 0.3760

# Triad

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



94.4245, 0.3462, 0.3793



94.4245, 0.2594, 0.3060



94.4245, 0.3333, 0.3022

# Complementary

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



94.4245, 0.3462, 0.3793



62.7030, 0.2765, 0.2732

# 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.



94.4245, 0.3043, 0.2870



94.4245, 0.3462, 0.3793



94.4245, 0.2627, 0.2882

# Square

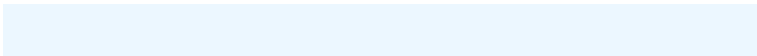
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



94.4245, 0.3462, 0.3793



94.4245, 0.2695, 0.3317



94.4245, 0.2787, 0.2818



94.4245, 0.3575, 0.3240

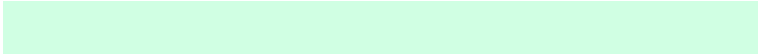


# Rectangle

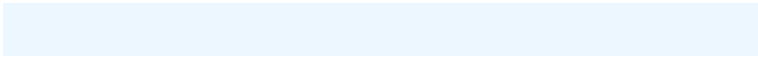
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94.4245, 0.3462, 0.3793



94.4245, 0.3000, 0.3654



94.4245, 0.2787, 0.2818



94.4245, 0.3238, 0.2962

# Sweetspot

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



94.4142, 0.3461, 0.3793



98.3422, 0.3217, 0.3427



66.9641, 0.3530, 0.3244



21.0117, 0.3227, 0.3442



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

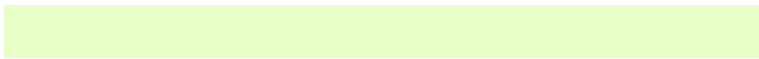
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.4142, 0.3461, 0.3793



93.3891, 0.3533, 0.3898



92.8617, 0.3302, 0.3857



20.8501, 0.3271, 0.3508



42.6622, 0.4327, 0.4946



4.2190, 0.4310, 0.4960



# Inverse Universe

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



62.7030, 0.2765, 0.2732



56.3816, 0.2680, 0.2599



64.2120, 0.2920, 0.2713



17.5908, 0.2978, 0.3062



4.0860, 0.1513, 0.0645

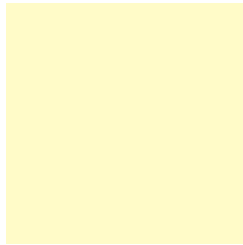


0.4684, 0.1540, 0.0745



# Previews

## White Background



This preview shows how the Yxy color 94.4245, 0.3462, 0.3793 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

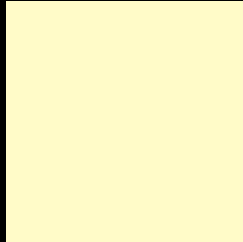
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.4245, 0.3462, 0.3793 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

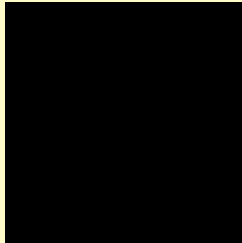
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 94.4245, 0.3462, 0.3793**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.4245, 0.3462, 0.3793.

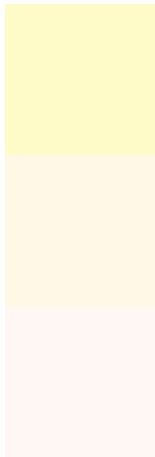


This preview shows how white text looks on a background with the Yxy color 94.4245, 0.3462, 0.3793.

# 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**

94.4245, 0.3462, 0.3793

**Protanopia**

94.1080, 0.3281, 0.3466

**Deuteranopia**

94.2526, 0.3203, 0.3329



## Tritanopia

94.3273, 0.3137, 0.3214

# Trichromacy



## Original Color

94.4245, 0.3462, 0.3793

## Protanomaly

94.1258, 0.3348, 0.3585

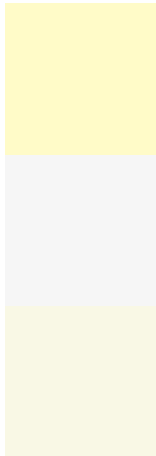
## Deuteranomaly

93.9409, 0.3300, 0.3496

## Tritanomaly

94.3353, 0.3257, 0.3426

# Monochromacy



## Original Color

94.4245, 0.3462, 0.3793

## Achromatopsia

92.1582, 0.3127, 0.3290

## Achromatomaly

92.9317, 0.3248, 0.3478

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.4245, 0.3462, 0.3793 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, 251, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 200)  
}
```

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, 251, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 94.4245, 0.3462, 0.3793 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, 251, 200) }
```

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

```
.border{ border-color:rgb(255, 251, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 251, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.4245, 0.3462, 0.3793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 200) }
```

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

```
.background{ background-color: rgb(255,  
251, 200) }
```

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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