

# Converting Colors

$Y_{xy}(95.7831, 0.3513, 0.3912)$

Have a look what the booklet for  
Yxy(95.7831, 0.3513, 0.3912)  
contains.

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# **Color**

**Yxy(95.9052, 0.3510, 0.3910)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFEBF
RGB	255, 254, 191
RGB Percent	100%, 100%, 75%
CMY	0.0000, 0.0039, 0.2508
CMYK	0.00, 0.00, 0.25, 0.00
HSL	59°, 100%, 87%
HSV	59°, 25%, 100%
XYZ	86.0939, 95.9052, 63.2827
YIQ	247.1170, 20.8190, -19.3810

# Conversions

## Conversions Part 2

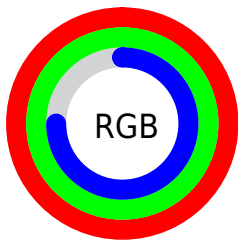
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	192, 255, 191
Decimal	16776895
CIE <sub>Lab</sub>	98.39, -9.30, 30.33
CIE <sub>LCh</sub>	98, 31.720, 107.049
Yxy	95.9052, 0.3510, 0.3910
Android (android.graphics.Color)	4294966975 (0xFFFFEBF)
YUV	247.1170, -27.6657, 6.9134
Hunter-Lab	97.9312, -14.4555, 30.2389

# Details

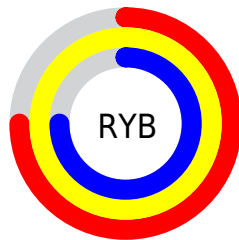
The Yxy color **95.9052, 0.3510, 0.3910** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **56.0160, 0.2694, 0.2584**, and the grayscale version is **93.3303, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.5573, 0.3168, 0.3357**, and **53.7444, 0.3591, 0.4040** is the 20% darker color. If you saturate the color by 10%, you get **94.6256, 0.3662, 0.4155**, and if you desaturate by 10%, it is **97.3819, 0.3355, 0.3660**.

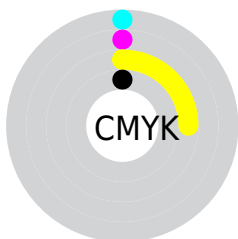
# Distribution



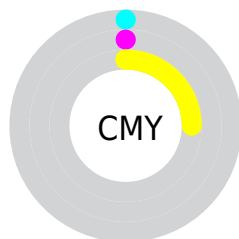
- Red (100%)
- Green (100%)
- Blue (75%)



- Red (75%)
- Yellow (100%)
- Blue (75%)



- Cyan (0%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 95.9052, 0.3510, 0.3910 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 95.9052, 0.3510, 0.3910 by changing the saturation by 10% instead.




 95.9052, 0.3510,  
0.3910

 95.9052, 0.3510,  
0.3910

547.0588, 0.3346,  
0.3634

 72.8886, 0.3544,  
0.3970


 155.5146, 0.3455,  
0.3816

 53.8849, 0.3585,  
0.4043


192.8762, 0.3434,  
0.3779

 38.5096, 0.3635,  
0.4133


235.7882, 0.3414,  
0.3747

 26.3785, 0.3695,  
0.4246

284.6350, 0.3397,  
0.3719

 17.1070, 0.3770,  
0.4393

339.8011, 0.3382,  
0.3694

 10.3108, 0.3863,  
0.4589

401.6709, 0.3369,

 5.6055, 0.3977,

0.3672

0.4859

470.6286, 0.3357,  
0.3652

■ 2.6067, 0.4300,  
0.5495

■ 0.9300, 0.4137,  
0.5863

■ 95.9052, 0.3510,  
0.3910

■ 95.9052, 0.3510,  
0.3910

■ 94.6256, 0.3662,  
0.4155

■ 97.3819, 0.3355,  
0.3660

■ 93.5313, 0.3805,  
0.4385

■ 99.0634, 0.3203,  
0.3413

■ 92.6118, 0.3934,  
0.4590

100.0000, 0.3127,  
0.3290

■ 91.8550, 0.4042,  
0.4761

■ 91.2469, 0.4126,  
0.4891

■ 90.7717, 0.4182,  
0.4977

■ 90.4094, 0.4213,  
0.5020

■ 90.2588, 0.4221,  
0.5030

# Harmonies

## Analogous

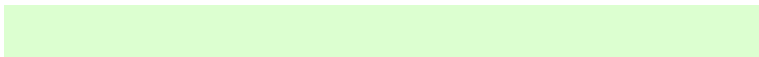
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.9052, 0.3751, 0.3781



95.9052, 0.3510, 0.3910



95.9052, 0.3174, 0.3859

# Triad

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



95.9052, 0.3510, 0.3910



95.9052, 0.2479, 0.2984



95.9052, 0.3403, 0.2984

# Complementary

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



95.9052, 0.3510, 0.3910



56.0160, 0.2694, 0.2584

# 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.



95.9052, 0.3049, 0.2794



95.9052, 0.3510, 0.3910



95.9052, 0.2531, 0.2781

# Square

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



95.9052, 0.3510, 0.3910



95.9052, 0.2588, 0.3294



95.9052, 0.2734, 0.2719



95.9052, 0.3692, 0.3248

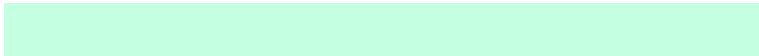


# Rectangle

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



95.9052, 0.3510, 0.3910



95.9052, 0.2944, 0.3720



95.9052, 0.2734, 0.2719



95.9052, 0.3287, 0.2910

# Sweetspot

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



95.9057, 0.3510, 0.3910



98.5514, 0.3247, 0.3484



62.3469, 0.3652, 0.3280



21.0390, 0.3270, 0.3521



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

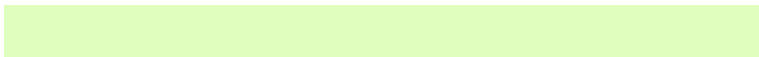
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95.9057, 0.3510, 0.3910



95.2526, 0.3585, 0.4032



91.1437, 0.3302, 0.3963



21.0390, 0.3270, 0.3521



47.1845, 0.4221, 0.5031



4.6092, 0.4217, 0.5033



# Inverse Universe

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



56.0160, 0.2694, 0.2584



49.2649, 0.2595, 0.2422



60.0185, 0.2911, 0.2615



17.4233, 0.2978, 0.3048



3.8376, 0.1503, 0.0609

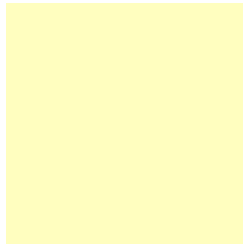


0.3890, 0.1509, 0.0632



# Previews

## White Background



This preview shows how the Yxy color 95.9052, 0.3510, 0.3910 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

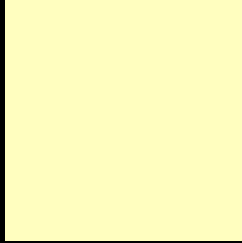
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 95.9052, 0.3510, 0.3910 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

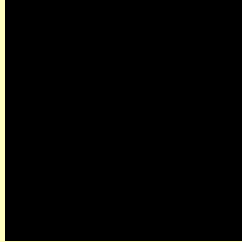
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 95.9052, 0.3510, 0.3910**

## **Background**



This preview shows how black text looks on a background with the Yxy color 95.9052, 0.3510, 0.3910.

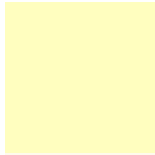


This preview shows how white text looks on a background with the Yxy color 95.9052, 0.3510, 0.3910.

# 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

95.9052, 0.3510, 0.3910

### Protanopia

95.6873, 0.3243, 0.3426

### Deuteranopia

95.6039, 0.3189, 0.3329

## Tritanopia

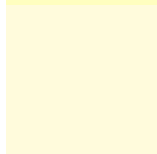
95.6148, 0.3130, 0.3223

# Trichromacy



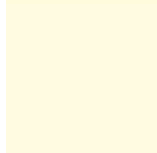
## Original Color

95.9052, 0.3510, 0.3910



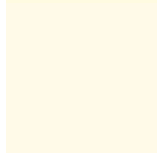
## Protanomaly

95.4217, 0.3339, 0.3594



## Deuteranomaly

95.6906, 0.3308, 0.3544



## Tritanomaly

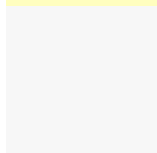
95.4574, 0.3267, 0.3465

# Monochromacy



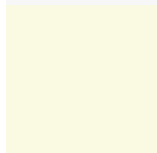
## Original Color

95.9052, 0.3510, 0.3910



## Achromatopsia

93.0111, 0.3127, 0.3290



## Achromatomaly

94.2413, 0.3264, 0.3517

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 95.9052, 0.3510, 0.3910 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, 254, 191)` looks like.

```
.text, #text, p{  
    color:rgb(255, 254, 191)  
}
```

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, 254, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 254, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 95.9052, 0.3510, 0.3910 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, 254, 191) }
```

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

```
.border{ border-color:rgb(255, 254, 191) }
```

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

Here you see how a box with a 4 pixel rgb(255, 254, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 254, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 254, 191);  
box-shadow:4px 4px 4px 4px rgb(255, 254,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 95.9052, 0.3510, 0.3910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 254, 191) }
```

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

```
.background{ background-color: rgb(255,  
254, 191) }
```

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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