

# Converting Colors

$Y_{xy}(100.0000, 0.3544, 0.3676)$

Have a look what the booklet for  
Yxy(100.0000, 0.3544, 0.3676)  
contains.

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# **Color**

**Yxy(95.5840, 0.3392, 0.3693)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFCD3
RGB	255, 252, 211
RGB Percent	100%, 99%, 83%
CMY	0.0002, 0.0117, 0.1726
CMYK	0.00, 0.01, 0.17, 0.00
HSL	56°, 100%, 91%
HSV	56°, 17%, 100%
XYZ	87.7934, 95.5840, 75.4474
YIQ	248.2230, 14.9490, -12.1150

# Conversions

## Conversions Part 2

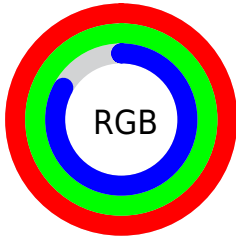
Format	Color
R <sub>Y</sub> B	214, 255, 211
Decimal	16776403
CIE Lab	98.27, -5.59, 20.03
CIE LCh	98, 20.796, 105.583
Yxy	95.5840, 0.3392, 0.3693
Android (android.graphics.Color)	4294966483 (0xFFFFFCD3)
YUV	248.2230, -18.3509, 5.9434
Hunter-Lab	97.7671, -10.8020, 22.6825

# Details

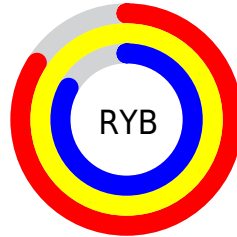
The Yxy color **95.5840, 0.3392, 0.3693** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **69.1191, 0.2845, 0.2852**, and the grayscale version is **94.2021, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **53.4363, 0.3451, 0.3778** is the 20% darker color. If you saturate the color by 10%, you get **93.3482, 0.3551, 0.3932**, and if you desaturate by 10%, it is **98.0406, 0.3236, 0.3456**.

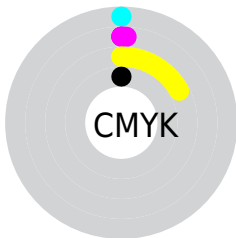
# Distribution



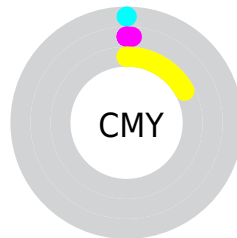
- Red (100%)
- Green (99%)
- Blue (83%)



- Red (84%)
- Yellow (100%)
- Blue (83%)



- Cyan (0%)
- Magenta (1%)
- Yellow (17%)
- Black (0%)



- Cyan (0%)
- Magenta (1%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 95.5840, 0.3392, 0.3693 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 95.5840, 0.3392, 0.3693 by changing the saturation by 10% instead.



 95.5840, 0.3392,  
0.3693

 95.5840, 0.3392,  
0.3693

546.0329, 0.3277,  
0.3514

 72.6211, 0.3417,  
0.3732

155.0712, 0.3353,  
0.3632

 53.6662, 0.3446,  
0.3780


192.3643, 0.3338,  
0.3608

 38.3349, 0.3483,  
0.3839


235.2029, 0.3324,  
0.3587

 26.2427, 0.3528,  
0.3914

283.9715, 0.3313,  
0.3569

 17.0053, 0.3587,  
0.4012

339.0544, 0.3302,  
0.3553

 10.2383, 0.3664,  
0.4145

400.8360, 0.3293,

 5.5572, 0.3770,

0.3538

0.4336

469.7007, 0.3284,  
0.3525

■ 2.5778, 0.3924,  
0.4635

■ 0.9155, 0.4448,  
0.5552

■ 95.5840, 0.3392,  
0.3693

■ 95.5840, 0.3392,  
0.3693

■ 93.3482, 0.3551,  
0.3932

■ 98.0406, 0.3236,  
0.3456

■ 91.3109, 0.3710,  
0.4165

99.9901, 0.3127,  
0.3290

■ 89.4660, 0.3860,  
0.4383

■ 87.8022, 0.3997,  
0.4576

 86.3071, 0.4115,  
0.4734

 84.9664, 0.4207,  
0.4850

 83.7633, 0.4271,  
0.4922

 82.6764, 0.4309,  
0.4950

 82.3878, 0.4317,  
0.4954

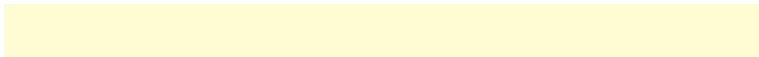
# Harmonies

## Analogous

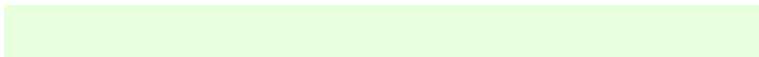
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.5840, 0.3542, 0.3612



95.5840, 0.3392, 0.3693



95.5840, 0.3174, 0.3660

# Triad

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



95.5840, 0.3392, 0.3693



95.5840, 0.2695, 0.3103



95.5840, 0.3299, 0.3078

# Complementary

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



95.5840, 0.3392, 0.3693



69.1191, 0.2845, 0.2852

# 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.



95.5840, 0.3067, 0.2952



95.5840, 0.3392, 0.3693



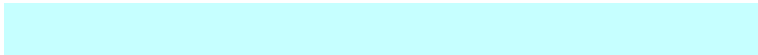
95.5840, 0.2725, 0.2960

# Square

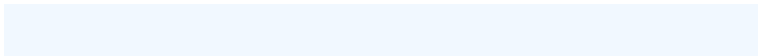
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



95.5840, 0.3392, 0.3693



95.5840, 0.2776, 0.3308



95.5840, 0.2859, 0.2908



95.5840, 0.3489, 0.3257

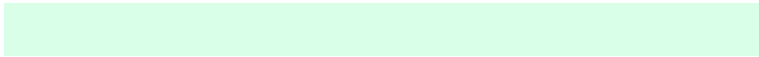


# Rectangle

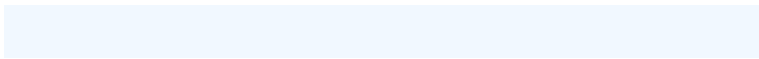
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95.5840, 0.3392, 0.3693



95.5840, 0.3021, 0.3575



95.5840, 0.2859, 0.2908



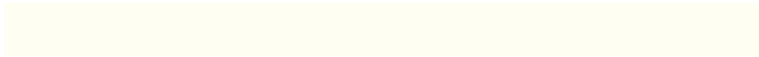
95.5840, 0.3223, 0.3028

# Sweetspot

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



95.5882, 0.3392, 0.3693



98.6656, 0.3202, 0.3404



72.6888, 0.3439, 0.3261



21.0793, 0.3213, 0.3421



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

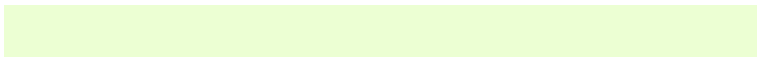
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95.5882, 0.3392, 0.3693



94.7654, 0.3452, 0.3783



94.0059, 0.3263, 0.3738



20.8714, 0.3271, 0.3510



43.1577, 0.4315, 0.4956



4.2620, 0.4299, 0.4968



# Inverse Universe

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



69.1191, 0.2845, 0.2852



63.3692, 0.2776, 0.2744



70.6340, 0.2972, 0.2838



17.5717, 0.2978, 0.3061



4.0536, 0.1511, 0.0640

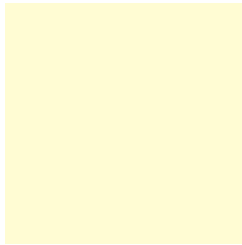


0.4594, 0.1537, 0.0732



# Previews

## White Background



This preview shows how the Yxy color 95.5840, 0.3392, 0.3693 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

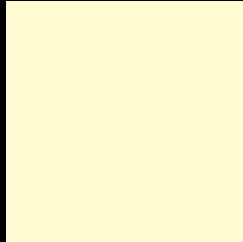
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 95.5840, 0.3392, 0.3693 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

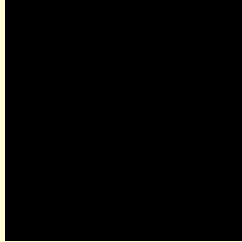
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 95.5840, 0.3392, 0.3693**

## **Background**



This preview shows how black text looks on a background with the Yxy color 95.5840, 0.3392, 0.3693.

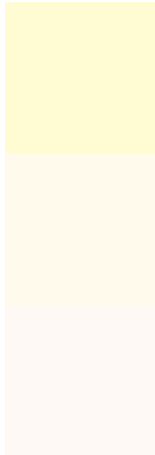


This preview shows how white text looks on a background with the Yxy color 95.5840, 0.3392, 0.3693.

# 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

95.5840, 0.3392, 0.3693

### Protanopia

95.6873, 0.3243, 0.3426

### Deuteranopia

95.6652, 0.3183, 0.3319

## **Tritanopia**

95.4256, 0.3124, 0.3223

# Trichromacy



## Original Color

95.5840, 0.3392, 0.3693

## Protanomaly

95.8004, 0.3296, 0.3524

## Deuteranomaly

95.5144, 0.3261, 0.3455

## Tritanomaly

95.0542, 0.3219, 0.3387

# Monochromacy



## Original Color

95.5840, 0.3392, 0.3693

## Achromatopsia

93.8686, 0.3127, 0.3290

## Achromatomaly

94.2588, 0.3223, 0.3427

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 95.5840, 0.3392, 0.3693 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, 252, 211)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 211)  
}
```

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, 252, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 95.5840, 0.3392, 0.3693 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, 252, 211) }
```

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

```
.border{ border-color:rgb(255, 252, 211) }
```

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

Here you see how a box with a 4 pixel rgb(255, 252, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 211);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
211) }
```



# Background

The CSS property to change the background color of an element to Yxy 95.5840, 0.3392, 0.3693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 252, 211) }
```

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

```
.background{ background-color: rgb(255,  
252, 211) }
```

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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