

# Converting Colors

$Y_{xy}(100.0000, 0.3961, 0.3636)$

Have a look what the booklet for  
Yxy(100.0000, 0.3961, 0.3636)  
contains.

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# Color

**Yxy(85.8596, 0.3509, 0.3692)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEDC5
RGB	255, 237, 197
RGB Percent	100%, 93%, 77%
CMY	0.0000, 0.0706, 0.2275
CMYK	0.00, 0.07, 0.23, 0.00
HSL	41°, 100%, 89%
HSV	41°, 23%, 100%
XYZ	81.6038, 85.8596, 65.0924
YIQ	237.8220, 23.5680, -8.6240

# Conversions

## Conversions Part 2

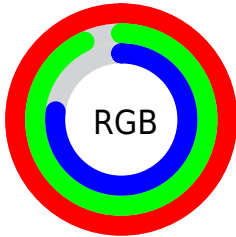
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	223, 255, 197
Decimal	16772549
CIE <sub>Lab</sub>	94.25, -0.01, 21.61
CIE <sub>LCh</sub>	94, 21.608, 90.016
Yxy	85.8596, 0.3509, 0.3692
Android (android.graphics.Color)	4294962629 (0xFFFFEDC5)
YUV	237.8220, -20.1252, 15.0651
Hunter-Lab	92.6605, -4.9552, 23.2121

# Details

The Yxy color **85.8596, 0.3509, 0.3692** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **67.6875, 0.2755, 0.2853**, and the grayscale version is **85.5011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.9358, 0.3133, 0.3300**, and **47.0367, 0.3596, 0.3778** is the 20% darker color. If you saturate the color by 10%, you get **80.3093, 0.3700, 0.3875**, and if you desaturate by 10%, it is **91.8146, 0.3331, 0.3511**.

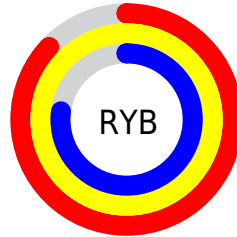
# Distribution



Red (100%)

Green (93%)

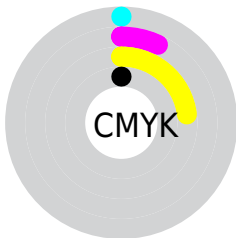
Blue (77%)



Red (87%)

Yellow (100%)

Blue (77%)

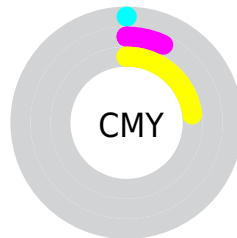


Cyan (0%)

Magenta (7%)

Yellow (23%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.8596, 0.3509, 0.3692 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 85.8596, 0.3509, 0.3692 by changing the saturation by 10% instead.




 85.8596, 0.3509,  
0.3692

 85.8596, 0.3509,  
0.3692


514.4681, 0.3338,  
0.3512

 64.5519, 0.3547,  
0.3732


141.5735, 0.3451,  
0.3631

 47.0978, 0.3592,  
0.3780


176.7486, 0.3428,  
0.3607

 33.1130, 0.3649,  
0.3839


217.3148, 0.3408,  
0.3586

 22.2130, 0.3721,  
0.3915

263.6567, 0.3390,  
0.3567

 14.0135, 0.3815,  
0.4014

316.1585, 0.3375,  
0.3551

 8.1301, 0.3942,  
0.4148

375.2048, 0.3361,

 4.1783, 0.4121,

0.3537

0.4337

441.1799, 0.3349,  
0.3524

1.7738, 0.4597,  
0.4837

0.4708, 0.4872,  
0.5128

85.8596, 0.3509,  
0.3692

85.8596, 0.3509,  
0.3692

80.3093, 0.3700,  
0.3875

91.8146, 0.3331,  
0.3511

75.1439, 0.3902,  
0.4054

98.1789, 0.3169,  
0.3336

70.3524, 0.4109,  
0.4219

100.0000, 0.3127,  
0.3290

65.9203, 0.4312,  
0.4358

■ 61.8314, 0.4502,  
0.4462

■ 58.0675, 0.4670,  
0.4519

■ 54.6071, 0.4806,  
0.4525

■ 52.2653, 0.4887,  
0.4502

# Harmonies

## Analogous

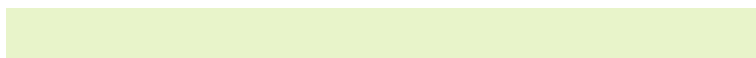
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8596, 0.3612, 0.3553



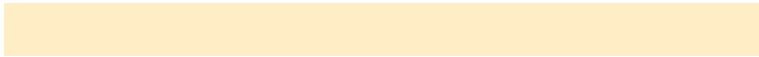
85.8596, 0.3509, 0.3692



85.8596, 0.3304, 0.3724

# Triad

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



85.8596, 0.3509, 0.3692



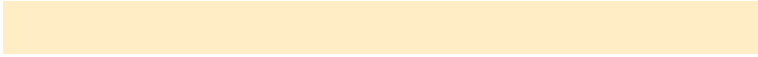
85.8596, 0.2694, 0.3197



85.8596, 0.3184, 0.2983

# Complementary

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



85.8596, 0.3509, 0.3692



67.6875, 0.2755, 0.2853

# 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.



85.8596, 0.2939, 0.2890



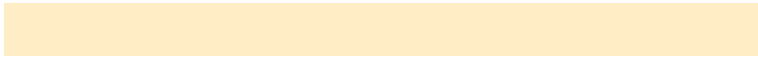
85.8596, 0.3509, 0.3692



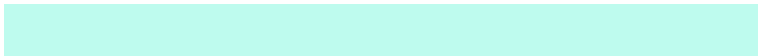
85.8596, 0.2664, 0.3003

# Square

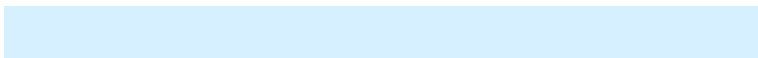
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.8596, 0.3509, 0.3692



85.8596, 0.2835, 0.3430



85.8596, 0.2752, 0.2895

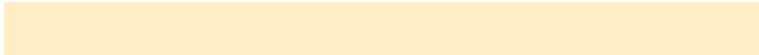


85.8596, 0.3421, 0.3150

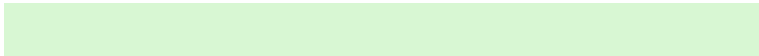


# Rectangle

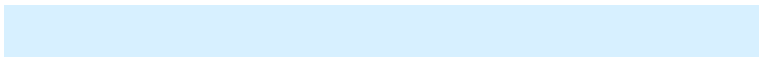
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.8596, 0.3509, 0.3692



85.8596, 0.3140, 0.3674



85.8596, 0.2752, 0.2895



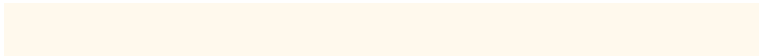
85.8596, 0.3099, 0.2942

# Sweetspot

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



85.8620, 0.3509, 0.3692



95.4205, 0.3236, 0.3409



66.1166, 0.3451, 0.3103



20.3414, 0.3246, 0.3420



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

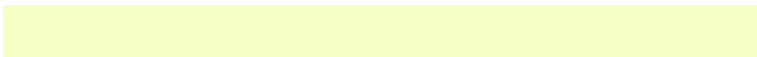
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8620, 0.3509, 0.3692



83.4517, 0.3589, 0.3770



94.8498, 0.3401, 0.3874



20.0839, 0.3277, 0.3453



27.5878, 0.4873, 0.4513



2.8808, 0.4776, 0.4590



# Inverse Universe

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



67.6875, 0.2755, 0.2853



62.5517, 0.2680, 0.2758



60.5080, 0.2812, 0.2661



18.2970, 0.2979, 0.3121



6.9353, 0.1616, 0.1018



0.8599, 0.1678, 0.1239



# Previews

## White Background



This preview shows how the Yxy color 85.8596, 0.3509, 0.3692 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

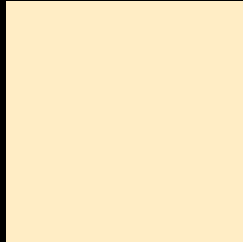
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.8596, 0.3509, 0.3692 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

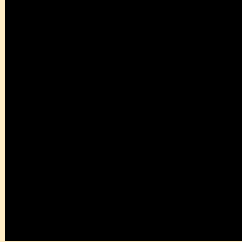
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 85.8596, 0.3509, 0.3692**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.8596, 0.3509, 0.3692.

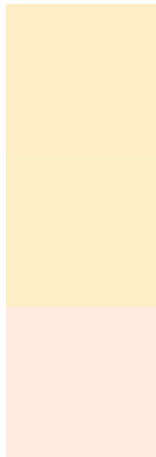


This preview shows how white text looks on a background with the Yxy color 85.8596, 0.3509, 0.3692.

# 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

85.8596, 0.3509, 0.3692

### Protanopia

85.8757, 0.3485, 0.3705

### Deuteranopia

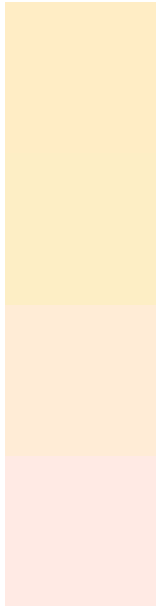
86.0044, 0.3341, 0.3410



## Tritanopia

85.5658, 0.3201, 0.3163

# Trichromacy



## Original Color

85.8596, 0.3509, 0.3692

## Protanomaly

86.0629, 0.3493, 0.3704

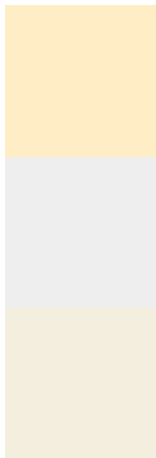
## Deuteranomaly

86.1059, 0.3398, 0.3510

## Tritanomaly

85.7071, 0.3309, 0.3350

# Monochromacy



## Original Color

85.8596, 0.3509, 0.3692

## Achromatopsia

85.4993, 0.3127, 0.3290

## Achromatomaly

85.7099, 0.3261, 0.3442

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.8596, 0.3509, 0.3692 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, 237, 197)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 197)  
}
```

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, 237, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 85.8596, 0.3509, 0.3692 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, 237, 197) }
```

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

```
.border{ border-color:rgb(255, 237, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 237, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 197);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
197) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.8596, 0.3509, 0.3692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 197) }
```

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

```
.background{ background-color: rgb(255,  
237, 197) }
```

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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