

# Converting Colors

$Y_{xy}(100.0000, 0.3975, 0.3610)$

Have a look what the booklet for  
Yxy(100.0000, 0.3975, 0.3610)  
contains.

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# Color

**Yxy(85.3281, 0.3504, 0.3672)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFECC6
RGB	255, 236, 198
RGB Percent	100%, 93%, 78%
CMY	0.0001, 0.0745, 0.2234
CMYK	0.00, 0.07, 0.22, 0.00
HSL	40°, 100%, 89%
HSV	40°, 22%, 100%
XYZ	81.4242, 85.3281, 65.6227
YIQ	237.3490, 23.5220, -7.7900

# Conversions

## Conversions Part 2

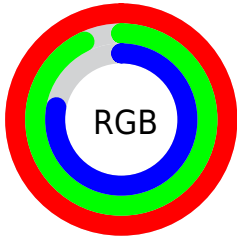
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 255, 198
Decimal	16772294
CIE Lab	94.02, 0.63, 20.76
CIE LCh	94, 20.768, 88.268
Yxy	85.3281, 0.3504, 0.3672
Android (android.graphics.Color)	4294962374 (0xFFFFECC6)
YUV	237.3490, -19.3991, 15.4799
Hunter-Lab	92.3732, -4.3107, 22.5411

# Details

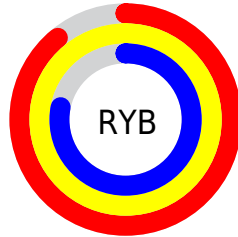
The Yxy color  $85.3281, 0.3504, 0.3672$  is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be  $68.8512, 0.2763, 0.2876$ , and the grayscale version is  $85.1116, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $46.6619, 0.3590, 0.3753$  is the 20% darker color. If you saturate the color by 10%, you get  $79.4783, 0.3698, 0.3850$ , and if you desaturate by 10%, it is  $91.6161, 0.3325, 0.3497$ .

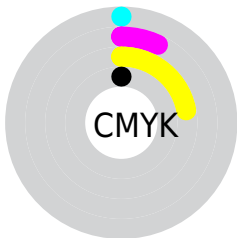
# Distribution



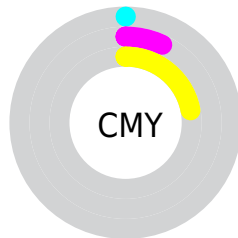
- Red (100%)
- Green (93%)
- Blue (78%)



- Red (89%)
- Yellow (100%)
- Blue (78%)



- Cyan (0%)
- Magenta (7%)
- Yellow (22%)
- Black (0%)




- Cyan (0%)
- Magenta (7%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.3281, 0.3504, 0.3672 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 85.3281, 0.3504, 0.3672 by changing the saturation by 10% instead.



 85.3281, 0.3504,  
0.3672

 85.3281, 0.3504,  
0.3672


512.7131, 0.3335,  
0.3501

 64.1125, 0.3541,  
0.3710


140.8315, 0.3446,  
0.3614

 46.7418, 0.3587,  
0.3755


175.8881, 0.3424,  
0.3591

 32.8316, 0.3643,  
0.3812


216.3271, 0.3404,  
0.3571

 21.9975, 0.3715,  
0.3884

262.5330, 0.3387,  
0.3553

 13.8550, 0.3809,  
0.3978

314.8902, 0.3371,  
0.3538

 8.0199, 0.3937,  
0.4106

373.7830, 0.3358,

 4.1077, 0.4119,

0.3524

0.4286

439.5958, 0.3346,  
0.3512

■ 1.7340, 0.4587,  
0.4757

■ 0.4455, 0.4962,  
0.5038

■ 85.3281, 0.3504,  
0.3672

■ 85.3281, 0.3504,  
0.3672

■ 79.4783, 0.3698,  
0.3850

■ 91.6161, 0.3325,  
0.3497

■ 74.0420, 0.3904,  
0.4024

■ 98.3432, 0.3163,  
0.3328

■ 69.0092, 0.4117,  
0.4185

■ 99.9952, 0.3127,  
0.3290

■ 64.3646, 0.4329,  
0.4321

■ 60.0915, 0.4530,  
0.4422

■ 56.1712, 0.4708,  
0.4477

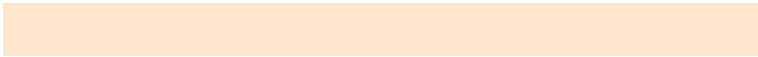
■ 52.5814, 0.4856,  
0.4480

■ 50.0296, 0.4949,  
0.4452

# Harmonies

## Analogous

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



85.3281, 0.3596, 0.3534



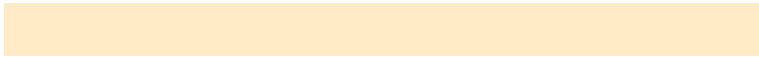
85.3281, 0.3504, 0.3672



85.3281, 0.3311, 0.3709

# Triad

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



85.3281, 0.3504, 0.3672



85.3281, 0.2714, 0.3214



85.3281, 0.3167, 0.2986

# Complementary

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



85.3281, 0.3504, 0.3672



68.8512, 0.2763, 0.2876

# 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.



85.3281, 0.2933, 0.2902



85.3281, 0.3504, 0.3672



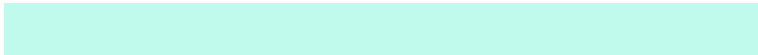
85.3281, 0.2679, 0.3023

# Square

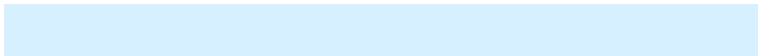
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.3281, 0.3504, 0.3672



85.3281, 0.2857, 0.3437



85.3281, 0.2757, 0.2912

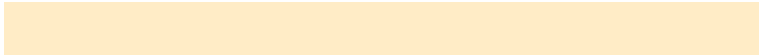


85.3281, 0.3398, 0.3144

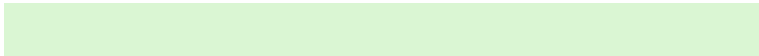


# Rectangle

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



85.3281, 0.3504, 0.3672



85.3281, 0.3154, 0.3666



85.3281, 0.2757, 0.2912



85.3281, 0.3086, 0.2949

# Sweetspot

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



85.3319, 0.3504, 0.3672



95.1691, 0.3236, 0.3406



66.6684, 0.3436, 0.3097



20.2832, 0.3246, 0.3416



0.0000, 0.0000, 0.0000

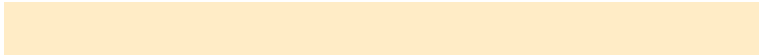


21.4041, 0.3127, 0.3290

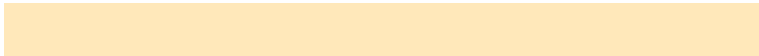


# Same Dimension

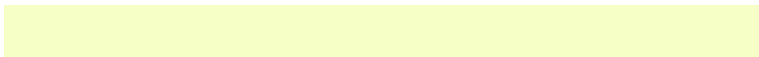
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.3319, 0.3504, 0.3672



82.5656, 0.3593, 0.3755



95.0822, 0.3402, 0.3861



20.0116, 0.3277, 0.3448



26.4333, 0.4934, 0.4465



2.7747, 0.4828, 0.4549



# Inverse Universe

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



68.8512, 0.2763, 0.2876



63.3169, 0.2681, 0.2776



60.9619, 0.2812, 0.2673



18.3659, 0.2979, 0.3127



7.4042, 0.1632, 0.1074



0.9121, 0.1694, 0.1298



# Previews

## White Background



This preview shows how the Yxy color 85.3281, 0.3504, 0.3672 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 85.3281, 0.3504, 0.3672 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

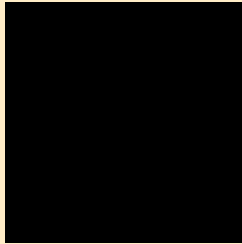
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 85.3281, 0.3504, 0.3672**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.3281, 0.3504, 0.3672.



This preview shows how white text looks on a background with the Yxy color 85.3281, 0.3504, 0.3672.

# 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

85.3281, 0.3504, 0.3672

### Protanopia

85.2011, 0.3467, 0.3675

### Deuteranopia

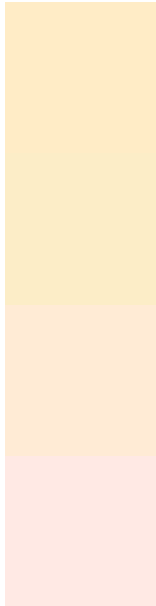
85.3796, 0.3349, 0.3410



## Tritanopia

85.5658, 0.3201, 0.3163

# Trichromacy



## Original Color

85.3281, 0.3504, 0.3672

## Protanomaly

85.3873, 0.3474, 0.3674

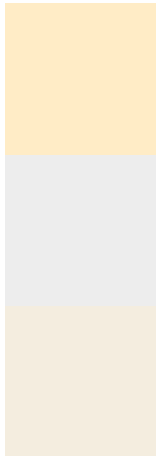
## Deuteranomaly

85.4808, 0.3407, 0.3510

## Tritanomaly

85.1393, 0.3310, 0.3340

# Monochromacy



## Original Color

85.3281, 0.3504, 0.3672

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

85.1292, 0.3262, 0.3432

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.3281, 0.3504, 0.3672 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, 236, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 198)  
}
```

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, 236, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 85.3281, 0.3504, 0.3672 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, 236, 198) }
```

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

```
.border{ border-color:rgb(255, 236, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 236, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 198);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.3281, 0.3504, 0.3672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 198) }
```

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

```
.background{ background-color: rgb(255,  
236, 198) }
```

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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