

# Converting Colors

$Yxy(85.5140, 0.3412, 0.3522)$

Have a look what the booklet for  
Yxy(85.5140, 0.3412, 0.3522)  
contains.

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# Color

**Yxy(85.4301, 0.3413, 0.3520)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEBD4
RGB	255, 235, 212
RGB Percent	100%, 92%, 83%
CMY	0.0000, 0.0784, 0.1685
CMYK	0.00, 0.08, 0.17, 0.00
HSL	32°, 100%, 92%
HSV	32°, 17%, 100%
XYZ	82.8332, 85.4301, 74.4358
YIQ	238.3580, 19.3030, -2.9130

# Conversions

## Conversions Part 2

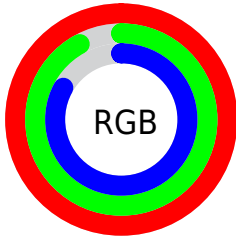
Format	Color
R <sub>Y</sub> B	249, 255, 212
Decimal	16772052
CIE Lab	94.07, 3.16, 13.59
CIE LCh	94, 13.950, 76.898
Yxy	85.4301, 0.3413, 0.3520
Android (android.graphics.Color)	4294962132 (0xFFFFEBD4)
YUV	238.3580, -12.9945, 14.5950
Hunter-Lab	92.4284, -1.7802, 16.9516

# Details

The Yxy color **85.4301, 0.3413, 0.3520** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.9494, 0.2860, 0.3049**, and the grayscale version is **85.8867, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.6803, 0.3481, 0.3572** is the 20% darker color. If you saturate the color by 10%, you get **77.6775, 0.3613, 0.3664**, and if you desaturate by 10%, it is **93.8467, 0.3236, 0.3381**.

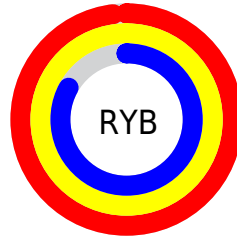
# Distribution



Red (100%)

Green (92%)

Blue (83%)



Red (98%)

Yellow (100%)

Blue (83%)

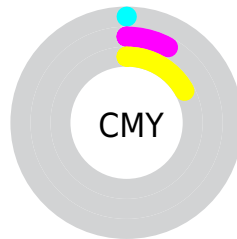


Cyan (0%)

Magenta (8%)

Yellow (17%)

Black (0%)



Cyan (0%)

Magenta (8%)

Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.4301, 0.3413, 0.3520 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 85.4301, 0.3413, 0.3520 by changing the saturation by 10% instead.




 85.4301, 0.3413,  
0.3520

 85.4301, 0.3413,  
0.3520

513.0502, 0.3284,  
0.3417

 64.1968, 0.3442,  
0.3543

140.9739, 0.3369,  
0.3485

 46.8101, 0.3477,  
0.3570


176.0533, 0.3352,  
0.3471

 32.8856, 0.3520,  
0.3604


216.5168, 0.3337,  
0.3459

 22.0388, 0.3577,  
0.3647

262.7488, 0.3323,  
0.3449

 13.8854, 0.3651,  
0.3704

315.1338, 0.3312,  
0.3440

 8.0410, 0.3755,  
0.3782

374.0560, 0.3302,

 4.1212, 0.3908,

0.3432

0.3894

439.9000, 0.3292,  
0.3424

■ 1.7416, 0.4170,  
0.4082

■ 0.4504, 0.5287,  
0.4713

■ 85.4301, 0.3413,  
0.3520

■ 85.4301, 0.3413,  
0.3520

■ 77.6775, 0.3613,  
0.3664

■ 93.8467, 0.3236,  
0.3381

■ 70.5592, 0.3836,  
0.3810

99.9984, 0.3127,  
0.3290

■ 64.0597, 0.4079,  
0.3949

■ 58.1585, 0.4337,  
0.4072

■ 52.8335, 0.4600,  
0.4167

■ 48.0605, 0.4855,  
0.4222

■ 43.8127, 0.5085,  
0.4225

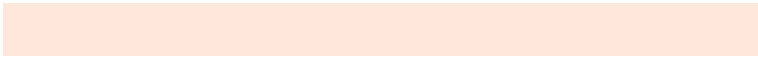
■ 40.0582, 0.5277,  
0.4172

■ 38.9642, 0.5332,  
0.4148

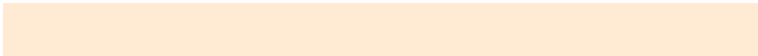
# Harmonies

## Analogous

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



85.4301, 0.3441, 0.3411



85.4301, 0.3413, 0.3520



85.4301, 0.3307, 0.3570

# Triad

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



85.4301, 0.3413, 0.3520



85.4301, 0.2877, 0.3297



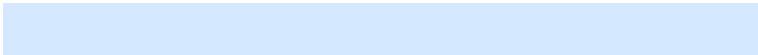
85.4301, 0.3094, 0.3054

# Complementary

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



85.4301, 0.3413, 0.3520



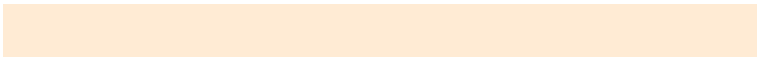
78.9494, 0.2860, 0.3049

# Split Complementary

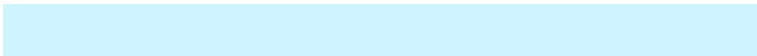
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.4301, 0.2946, 0.3021



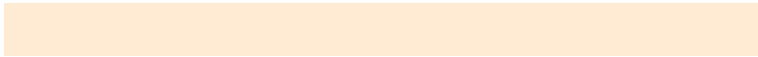
85.4301, 0.3413, 0.3520



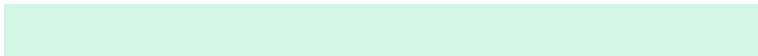
85.4301, 0.2823, 0.3157

# Square

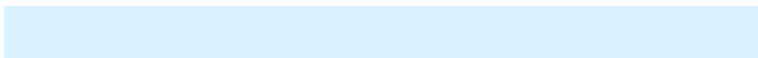
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.4301, 0.3413, 0.3520



85.4301, 0.2997, 0.3441



85.4301, 0.2848, 0.3057

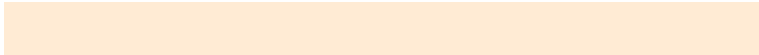


85.4301, 0.3254, 0.3146



# Rectangle

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



85.4301, 0.3413, 0.3520



85.4301, 0.3208, 0.3560



85.4301, 0.2848, 0.3057



85.4301, 0.3041, 0.3036

# Sweetspot

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



85.4339, 0.3413, 0.3520



95.4789, 0.3206, 0.3356



74.1958, 0.3305, 0.3090



20.3033, 0.3217, 0.3365



0.0000, 0.0000, 0.0000

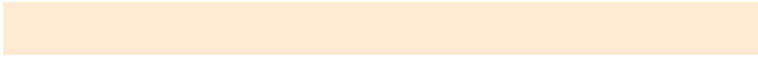


21.4041, 0.3127, 0.3290

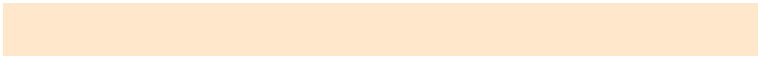


# Same Dimension

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



85.4339, 0.3413, 0.3520



82.9227, 0.3474, 0.3565



97.2579, 0.3372, 0.3712



19.5957, 0.3281, 0.3417



20.6632, 0.5309, 0.4167

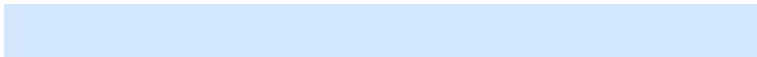


2.2307, 0.5147, 0.4296

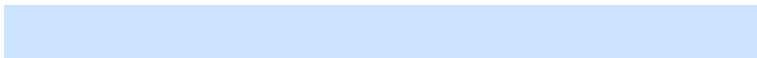


# Inverse Universe

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



78.9494, 0.2860, 0.3049



75.3957, 0.2808, 0.2998



68.5426, 0.2860, 0.2833



18.7710, 0.2979, 0.3160



10.9153, 0.1739, 0.1460

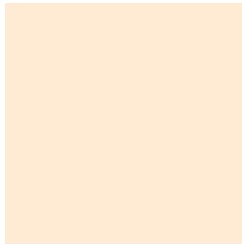


1.2789, 0.1798, 0.1674



# Previews

## White Background



This preview shows how the Yxy color 85.4301, 0.3413, 0.3520 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

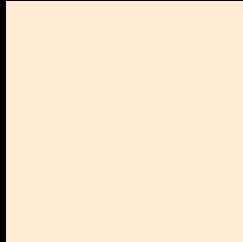
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.4301, 0.3413, 0.3520 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

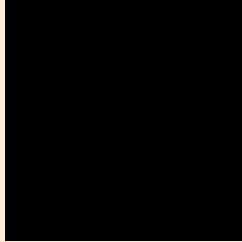
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 85.4301, 0.3413, 0.3520**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.4301, 0.3413, 0.3520.

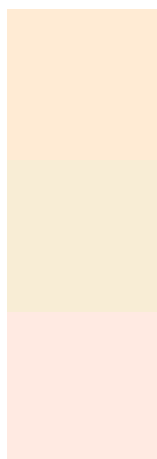


This preview shows how white text looks on a background with the Yxy color 85.4301, 0.3413, 0.3520.

# 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

85.4301, 0.3413, 0.3520

### Protanopia

85.3289, 0.3354, 0.3533

### Deuteranopia

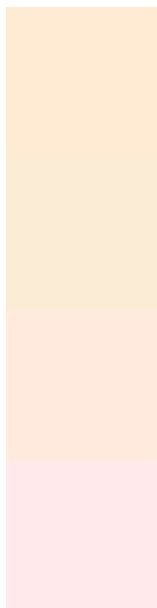
85.5966, 0.3322, 0.3370



## Tritanopia

85.6270, 0.3194, 0.3154

# Trichromacy



## Original Color

85.4301, 0.3413, 0.3520

## Protanomaly

85.3042, 0.3377, 0.3522

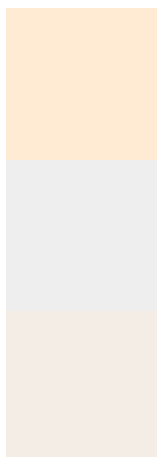
## Deuteranomaly

85.3261, 0.3355, 0.3420

## Tritanomaly

85.4783, 0.3271, 0.3281

# Monochromacy



## Original Color

85.4301, 0.3413, 0.3520

## Achromatopsia

85.4993, 0.3127, 0.3290

## Achromatomaly

85.4586, 0.3224, 0.3371

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.4301, 0.3413, 0.3520 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, 235, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 212)  
}
```

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, 235, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 85.4301, 0.3413, 0.3520 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, 235, 212) }
```

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

```
.border{ border-color:rgb(255, 235, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 235, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.4301, 0.3413, 0.3520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 212) }
```

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

```
.background{ background-color: rgb(255,  
235, 212) }
```

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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