

# Converting Colors

$Y_{xy}(85.4500, 0.3275, 0.3287)$

Have a look what the booklet for  
Yxy(85.4500, 0.3275, 0.3287)  
contains.

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# **Color**

**Yxy(85.4210, 0.3278, 0.3290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE9E9
RGB	255, 233, 233
RGB Percent	100%, 91%, 91%
CMY	0.0000, 0.0864, 0.0862
CMYK	0.00, 0.09, 0.09, 0.00
HSL	360°, 100%, 96%
HSV	360°, 9%, 100%
XYZ	85.1094, 85.4210, 89.1079
YIQ	239.5780, 13.1120, 4.6640

# Conversions

## Conversions Part 2

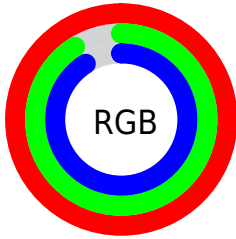
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 233, 233
Decimal	16771561
CIE Lab	94.06, 7.51, 2.69
CIE LCh	94, 7.982, 19.704
Yxy	85.4210, 0.3278, 0.3290
Android (android.graphics.Color)	4294961641 (0xFFFFE9E9)
YUV	239.5780, -3.2430, 13.5251
Hunter-Lab	92.4235, 2.6331, 7.5334

# Details

The Yxy color  $85.4210, 0.3278, 0.3290$  is a light color, and the websafe version is hex FFFFFF. A complement of this color would be  $96.0574, 0.2994, 0.3290$ , and the grayscale version is  $86.7996, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $46.6244, 0.3313, 0.3291$  is the 20% darker color. If you saturate the color by 10%, you get  $70.6511, 0.3493, 0.3290$ , and if you desaturate by 10%, it is  $100.0000, 0.3127, 0.3290$ .

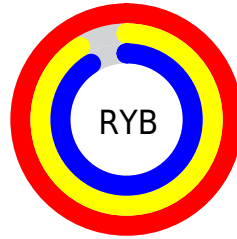
# Distribution



Red (100%)

Green (91%)

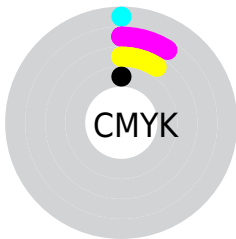
Blue (91%)



Red (100%)

Yellow (91%)

Blue (91%)

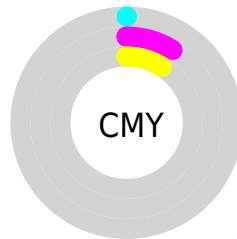


Cyan (0%)

Magenta (9%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.4210, 0.3278, 0.3290 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 85.4210, 0.3278, 0.3290 by changing the saturation by 10% instead.




 85.4210, 0.3278,  
0.3290

 85.4210, 0.3278,  
0.3290

513.0201, 0.3210,  
0.3290

 64.1893, 0.3293,  
0.3290


140.9612, 0.3255,  
0.3290

 46.8040, 0.3312,  
0.3290


176.0385, 0.3246,  
0.3290

 32.8807, 0.3335,  
0.3289


216.4998, 0.3238,  
0.3290

 22.0351, 0.3365,  
0.3289

262.7295, 0.3231,  
0.3290

 13.8827, 0.3405,  
0.3288

315.1120, 0.3225,  
0.3290

 8.0391, 0.3461,  
0.3286

374.0317, 0.3219,

 4.1200, 0.3545,

0.3290

0.3282

439.8729, 0.3214,  
0.3290

■ 1.7409, 0.3686,  
0.3275

■ 0.4499, 0.4484,  
0.3302

■ 85.4210, 0.3278,  
0.3290

■ 85.4210, 0.3278,  
0.3290

■ 70.6511, 0.3493,  
0.3290

100.0000, 0.3127,  
0.3290

■ 58.0897, 0.3762,  
0.3290

■ 47.6211, 0.4096,  
0.3291

■ 39.1316, 0.4497,  
0.3292

■ 32.4968, 0.4958,  
0.3293

■ 27.5781, 0.5443,  
0.3294

■ 24.2177, 0.5889,  
0.3296

■ 22.2285, 0.6217,  
0.3298

■ 21.3442, 0.6383,  
0.3299

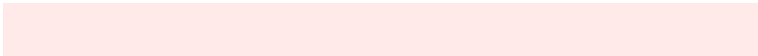
# Harmonies

## Analogous

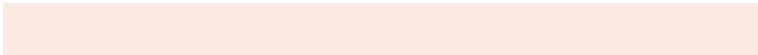
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4210, 0.3208, 0.3213



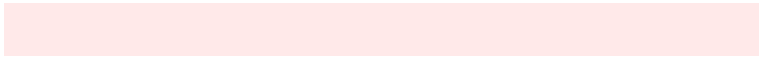
85.4210, 0.3278, 0.3290



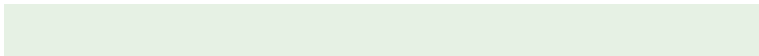
85.4210, 0.3307, 0.3368

# Triad

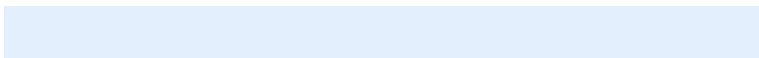
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.4210, 0.3278, 0.3290



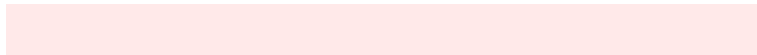
85.4210, 0.3135, 0.3429



85.4210, 0.2970, 0.3153

# Complementary

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



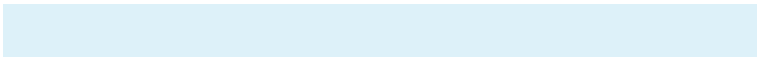
85.4210, 0.3278, 0.3290



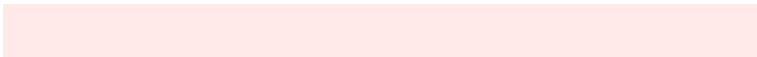
96.0574, 0.2994, 0.3290

# 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.



85.4210, 0.2951, 0.3208



85.4210, 0.3278, 0.3290



85.4210, 0.3045, 0.3369

# Square

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



85.4210, 0.3278, 0.3290



85.4210, 0.3223, 0.3450



85.4210, 0.2979, 0.3287



85.4210, 0.3030, 0.3135

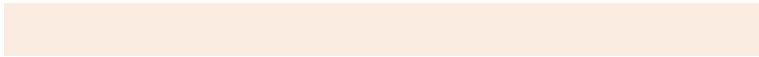


# Rectangle

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



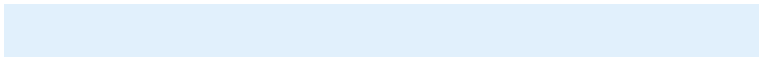
85.4210, 0.3278, 0.3290



85.4210, 0.3299, 0.3410



85.4210, 0.2979, 0.3287



85.4210, 0.2958, 0.3168

# Sweetspot

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



85.4105, 0.3277, 0.3290



94.7337, 0.3176, 0.3290



86.6765, 0.3135, 0.3077



19.9833, 0.3190, 0.3290



0.0000, 0.0000, 0.0000

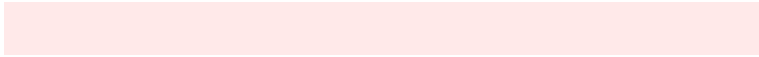


21.4041, 0.3127, 0.3290

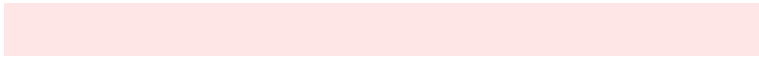


# Same Dimension

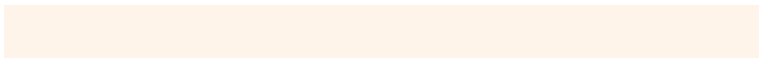
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.4105, 0.3277, 0.3290



83.2636, 0.3304, 0.3290



91.6165, 0.3267, 0.3394



17.9877, 0.3294, 0.3290



11.1096, 0.6399, 0.3299



1.0819, 0.6394, 0.3296

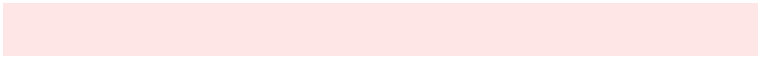


# Inverse Universe

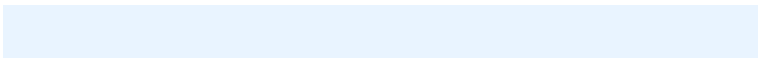
The Inverse Universe completely reimagines the original color for something new.



85.4105, 0.3277, 0.3290



83.2636, 0.3304, 0.3290



89.4563, 0.2993, 0.3183



17.9877, 0.3294, 0.3290



11.1096, 0.6399, 0.3299

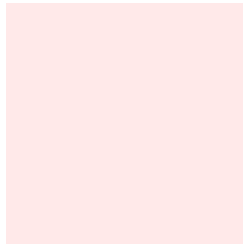


1.0819, 0.6394, 0.3296



# Previews

## White Background



This preview shows how the Yxy color 85.4210, 0.3278, 0.3290 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

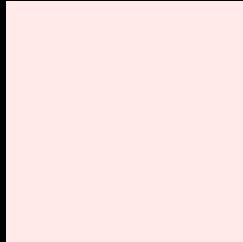
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.4210, 0.3278, 0.3290 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

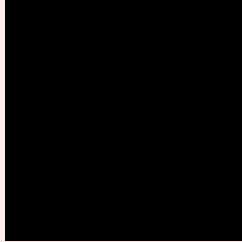
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

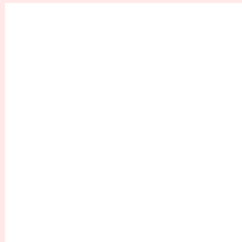
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.4210, 0.3278, 0.3290**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.4210, 0.3278, 0.3290.

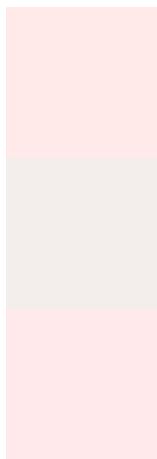


This preview shows how white text looks on a background with the Yxy color 85.4210, 0.3278, 0.3290.

# 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

85.4210, 0.3278, 0.3290

### Protanopia

85.6212, 0.3180, 0.3310

### Deuteranopia

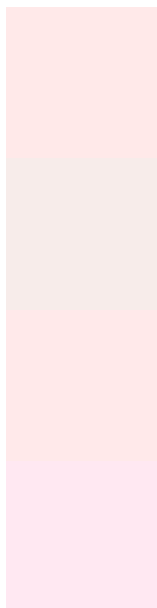
85.5360, 0.3265, 0.3271



## Tritanopia

85.1272, 0.3189, 0.3134

# Trichromacy



## Original Color

85.4210, 0.3278, 0.3290

## Protanomaly

85.7056, 0.3214, 0.3310

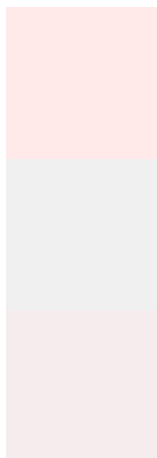
## Deuteranomaly

85.4783, 0.3271, 0.3281

## Tritanomaly

85.3840, 0.3220, 0.3192

# Monochromacy



## Original Color

85.4210, 0.3278, 0.3290

## Achromatopsia

87.1367, 0.3127, 0.3290

## Achromatomaly

86.0953, 0.3181, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.4210, 0.3278, 0.3290 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, 233, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 233)  
}
```

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, 233, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 85.4210, 0.3278, 0.3290 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, 233, 233) }
```

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

```
.border{ border-color:rgb(255, 233, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 233, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.4210, 0.3278, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 233) }
```

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

```
.background{ background-color: rgb(255,  
233, 233) }
```

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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