

# Converting Colors

$Y_{xy}(86.4248, 0.3315, 0.3310)$

Have a look what the booklet for  
Yxy(86.4248, 0.3315, 0.3310)  
contains.

<b>Yxy(85.9318, 0.3283, 0.3310)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(85.9318, 0.3283, 0.3310)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEAE8
RGB	255, 234, 232
RGB Percent	100%, 92%, 91%
CMY	0.0000, 0.0823, 0.0901
CMYK	0.00, 0.08, 0.09, 0.00
HSL	5°, 100%, 95%
HSV	5°, 9%, 100%
XYZ	85.2308, 85.9318, 88.4500
YIQ	240.0510, 13.1580, 3.8300

# Conversions

## Conversions Part 2

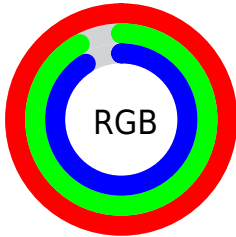
Format	Color
R <sub>Y</sub> B	255, 234, 232
Decimal	16771816
CIE Lab	94.28, 6.80, 3.53
CIE LCh	94, 7.661, 27.437
Yxy	85.9318, 0.3283, 0.3310
Android (android.graphics.Color)	4294961896 (0xFFFFEAE8)
YUV	240.0510, -3.9691, 13.1103
Hunter-Lab	92.6994, 1.8947, 8.3175

# Details

The Yxy color **85.9318, 0.3283, 0.3310** is a light color, and the websafe version is hex FFFFFF. A complement of this color would be **94.6381, 0.2987, 0.3270**, and the grayscale version is **87.2059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.9811, 0.3320, 0.3316** is the 20% darker color. If you saturate the color by 10%, you get **72.1846, 0.3495, 0.3334**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

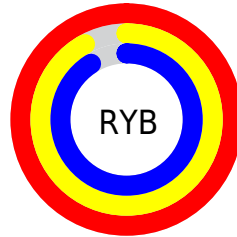
# Distribution



Red (100%)

Green (92%)

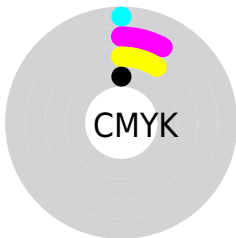
Blue (91%)



Red (100%)

Yellow (92%)

Blue (91%)

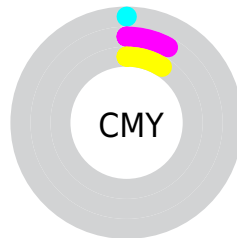


Cyan (0%)

Magenta (8%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (8%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.9318, 0.3283, 0.3310 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 85.9318, 0.3283, 0.3310 by changing the saturation by 10% instead.



 85.9318, 0.3283,  
0.3310

 85.9318, 0.3283,  
0.3310


514.7063, 0.3213,  
0.3302

 64.6116, 0.3299,  
0.3312


141.6743, 0.3259,  
0.3307

 47.1462, 0.3318,  
0.3314


176.8654, 0.3250,  
0.3306

 33.1512, 0.3342,  
0.3316


217.4489, 0.3241,  
0.3305

 22.2423, 0.3373,  
0.3320

263.8092, 0.3234,  
0.3304

 14.0351, 0.3414,  
0.3324

316.3307, 0.3228,  
0.3303

 8.1451, 0.3471,  
0.3329

375.3978, 0.3222,

 4.1879, 0.3558,

0.3303

0.3336

441.3948, 0.3217,  
0.3302

■ 1.7792, 0.3703,  
0.3345

■ 0.4742, 0.4533,  
0.3486

■ 85.9318, 0.3283,  
0.3310

■ 85.9318, 0.3283,  
0.3310

■ 72.1846, 0.3495,  
0.3334

100.0000, 0.3127,  
0.3290

■ 60.3121, 0.3756,  
0.3359

■ 50.2359, 0.4074,  
0.3383

■ 41.8683, 0.4454,  
0.3405

■ 35.1145, 0.4888,  
0.3420

■ 29.8703, 0.5349,  
0.3423

■ 26.0193, 0.5786,  
0.3411

■ 23.4279, 0.6131,  
0.3381

■ 21.9327, 0.6336,  
0.3342

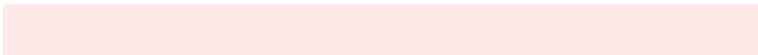
# Harmonies

## Analogous

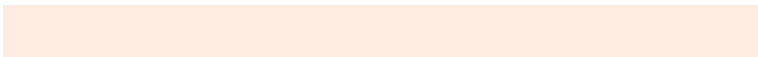
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.9318, 0.3225, 0.3234



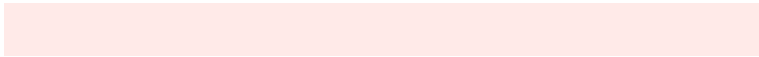
85.9318, 0.3283, 0.3310



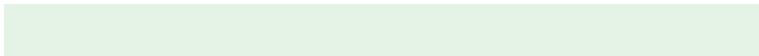
85.9318, 0.3299, 0.3382

# Triad

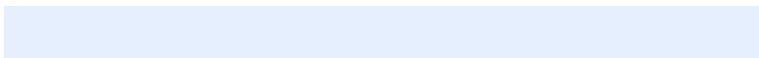
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.9318, 0.3283, 0.3310



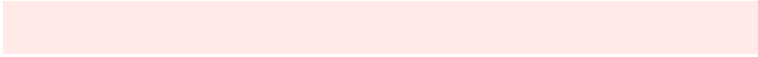
85.9318, 0.3112, 0.3411



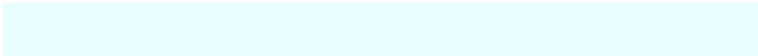
85.9318, 0.2988, 0.3151

# Complementary

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



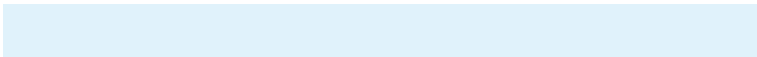
85.9318, 0.3283, 0.3310



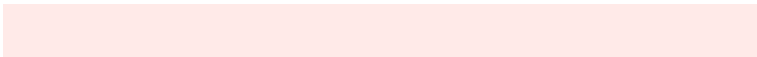
94.6381, 0.2987, 0.3270

# 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.



85.9318, 0.2959, 0.3195



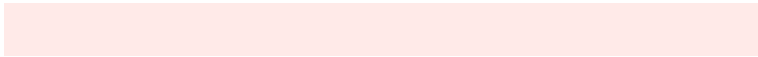
85.9318, 0.3283, 0.3310



85.9318, 0.3030, 0.3346

# Square

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



85.9318, 0.3283, 0.3310



85.9318, 0.3199, 0.3442



85.9318, 0.2974, 0.3267

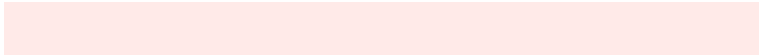


85.9318, 0.3054, 0.3143

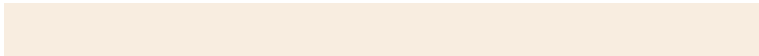


# Rectangle

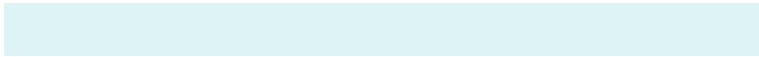
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



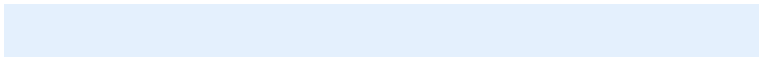
85.9318, 0.3283, 0.3310



85.9318, 0.3283, 0.3418



85.9318, 0.2974, 0.3267



85.9318, 0.2974, 0.3162

# Sweetspot

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



85.9348, 0.3283, 0.3310



95.1387, 0.3176, 0.3297



86.0803, 0.3150, 0.3086



20.0920, 0.3189, 0.3298



0.0000, 0.0000, 0.0000

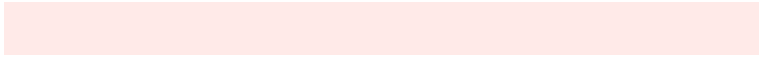


21.4041, 0.3127, 0.3290

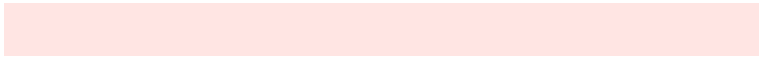


# Same Dimension

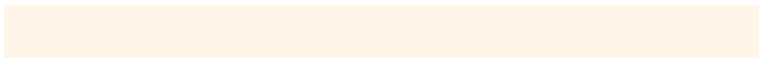
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.9348, 0.3283, 0.3310



83.0491, 0.3322, 0.3315



92.6488, 0.3271, 0.3421



18.2392, 0.3292, 0.3311



11.4952, 0.6337, 0.3350

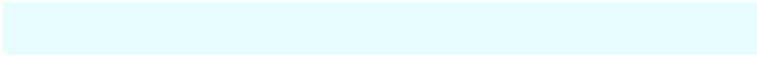


1.2012, 0.6206, 0.3454

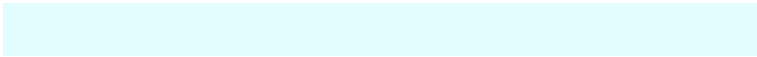


# Inverse Universe

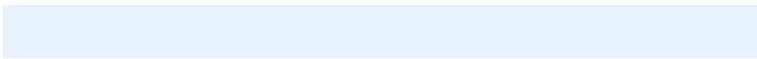
The Inverse Universe completely reimagines the original color for something new.



94.6381, 0.2987, 0.3270



93.5259, 0.2957, 0.3265



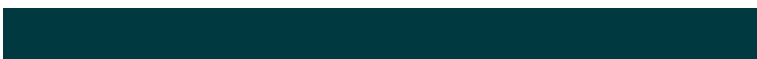
87.6413, 0.2987, 0.3155



20.1970, 0.2980, 0.3269



34.3248, 0.2171, 0.3016

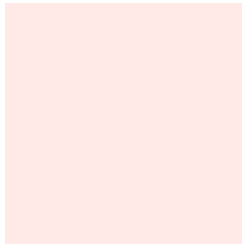


3.4178, 0.2181, 0.3050



# Previews

## White Background



This preview shows how the Yxy color 85.9318, 0.3283, 0.3310 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

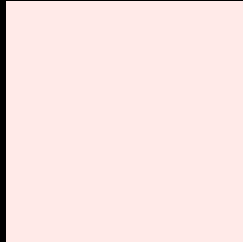
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.9318, 0.3283, 0.3310 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

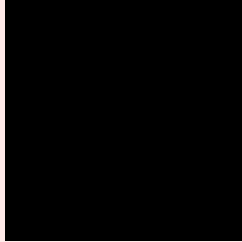
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

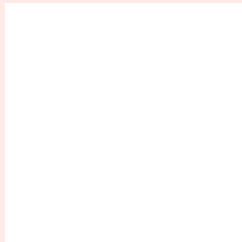
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.9318, 0.3283, 0.3310**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.9318, 0.3283, 0.3310.

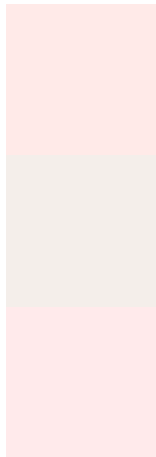


This preview shows how white text looks on a background with the Yxy color 85.9318, 0.3283, 0.3310.

# 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

85.9318, 0.3283, 0.3310

### Protanopia

86.3227, 0.3192, 0.3330

### Deuteranopia

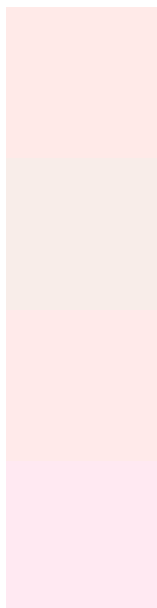
86.1038, 0.3264, 0.3281



## Tritanopia

85.7505, 0.3182, 0.3135

# Trichromacy



## Original Color

85.9318, 0.3283, 0.3310

## Protanomaly

86.4080, 0.3226, 0.3330

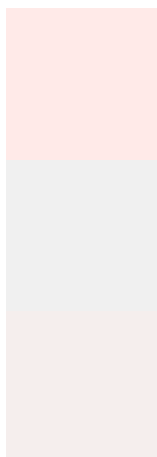
## Deuteranomaly

86.0462, 0.3270, 0.3290

## Tritanomaly

85.9486, 0.3219, 0.3202

# Monochromacy



## Original Color

85.9318, 0.3283, 0.3310

## Achromatopsia

87.1367, 0.3127, 0.3290

## Achromatomaly

86.6760, 0.3180, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.9318, 0.3283, 0.3310 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, 234, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 232)  
}
```

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, 234, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 85.9318, 0.3283, 0.3310 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, 234, 232) }
```

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

```
.border{ border-color:rgb(255, 234, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.9318, 0.3283, 0.3310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 232) }
```

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

```
.background{ background-color: rgb(255,  
234, 232) }
```

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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