

# Converting Colors

Yxy(84.4143, 0.3096, 0.3192)

Have a look what the booklet for  
Yxy(84.4143, 0.3096, 0.3192)  
contains.

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# Color

**Yxy(84.3600, 0.3092, 0.3189)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFEBF5
RGB	239, 235, 245
RGB Percent	94%, 92%, 96%
CMY	0.0627, 0.0784, 0.0391
CMYK	0.02, 0.04, 0.00, 0.04
HSL	264°, 33%, 94%
HSV	264°, 4%, 96%
XYZ	81.7940, 84.3600, 98.3803
YIQ	237.3360, -0.8260, 3.9580

# Conversions

## Conversions Part 2

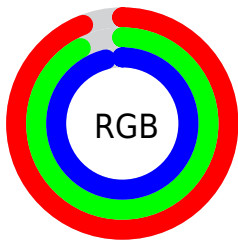
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	239, 235, 245
Decimal	15723509
CIE Lab	93.61, 3.15, -4.37
CIE LCh	94, 5.388, 305.724
Yxy	84.3600, 0.3092, 0.3189
Android (android.graphics.Color)	4293913589 (0xFFEFEBF5)
YUV	237.3360, 3.7784, 1.4593
Hunter-Lab	91.8477, -1.7722, 0.7864

# Details

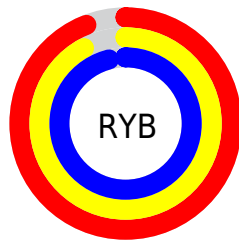
The Yxy color **84.3600, 0.3092, 0.3189** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.0226, 0.3161, 0.3391**, and the grayscale version is **84.9364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.9816, 0.3082, 0.3161** is the 20% darker color. If you saturate the color by 10%, you get **68.8335, 0.2996, 0.2925**, and if you desaturate by 10%, it is **99.1285, 0.3177, 0.3386**.

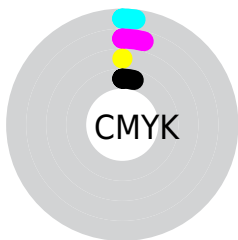
# Distribution



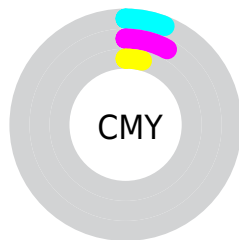
- Red (94%)
- Green (92%)
- Blue (96%)



- Red (94%)
- Yellow (92%)
- Blue (96%)



- Cyan (2%)
- Magenta (4%)
- Yellow (0%)
- Black (4%)



- Cyan (6%)
- Magenta (8%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.3600, 0.3092, 0.3189 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 84.3600, 0.3092, 0.3189 by changing the saturation by 10% instead.



84.3600, 0.3092,  
0.3189

84.3600, 0.3092,  
0.3189

509.5079, 0.3108,  
0.3234

63.3127, 0.3088,  
0.3179

139.4787, 0.3097,  
0.3204

46.0942, 0.3084,  
0.3167

174.3188, 0.3100,  
0.3211

32.3202, 0.3079,  
0.3151

214.5253, 0.3102,  
0.3216

21.6062, 0.3071,  
0.3132

260.4827, 0.3103,  
0.3220

13.5678, 0.3062,  
0.3106

312.5752, 0.3105,  
0.3225

7.8207, 0.3048,  
0.3070

371.1873, 0.3106,

3.9804, 0.3028,

0.3228

0.3016

436.7035, 0.3107,  
0.3231

■ 1.6626, 0.2993,  
0.2927

■ 0.3993, 0.2859,  
0.2502

■ 84.3600, 0.3092,  
0.3189

■ 84.3600, 0.3092,  
0.3189

■ 68.8335, 0.2996,  
0.2925

■ 99.1285, 0.3177,  
0.3386

■ 55.3600, 0.2885,  
0.2639

■ 99.3743, 0.3185,  
0.3386

■ 43.8542, 0.2759,  
0.2335

■ 34.2205, 0.2619,  
0.2022

■ 26.3550, 0.2469,  
0.1713

■ 20.1435, 0.2314,  
0.1424

■ 15.4579, 0.2161,  
0.1173

■ 12.1501, 0.2018,  
0.0974

■ 10.0403, 0.1893,  
0.0837

# Harmonies

## Analogous

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



84.3600, 0.3039, 0.3187



84.3600, 0.3092, 0.3189



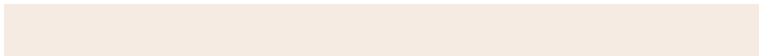
84.3600, 0.3155, 0.3218

# Triad

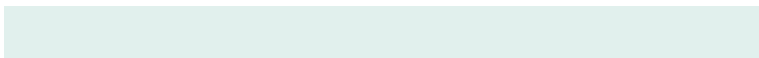
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.3600, 0.3092, 0.3189



84.3600, 0.3245, 0.3367



84.3600, 0.3045, 0.3315

# Complementary

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



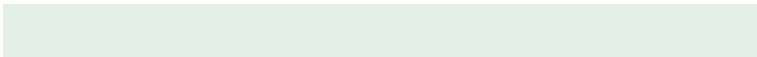
84.3600, 0.3092, 0.3189



90.0226, 0.3161, 0.3391

# 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.



84.3600, 0.3099, 0.3365



84.3600, 0.3092, 0.3189



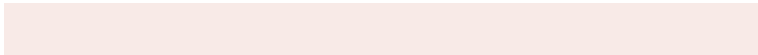
84.3600, 0.3215, 0.3394

# Square

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



84.3600, 0.3092, 0.3189



84.3600, 0.3244, 0.3320



84.3600, 0.3162, 0.3394



84.3600, 0.3012, 0.3259

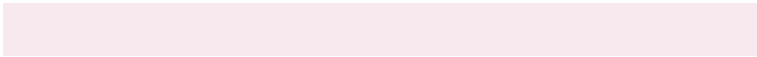


# Rectangle

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



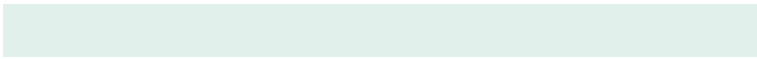
84.3600, 0.3092, 0.3189



84.3600, 0.3193, 0.3248



84.3600, 0.3162, 0.3394



84.3600, 0.3061, 0.3333

# Sweetspot

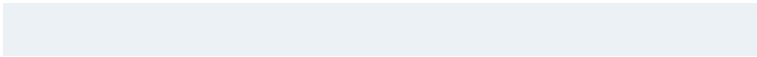
The Sweet Spot groups the original color and five complimentary colors.



84.3636, 0.3092, 0.3189



98.0952, 0.3119, 0.3266



87.1765, 0.3064, 0.3249



21.0165, 0.3119, 0.3267



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.



84.3636, 0.3092, 0.3189



90.7130, 0.3084, 0.3166



85.2474, 0.3125, 0.3190



17.5409, 0.3078, 0.3149



5.0321, 0.1845, 0.0790



0.5004, 0.1984, 0.0867



# Inverse Universe

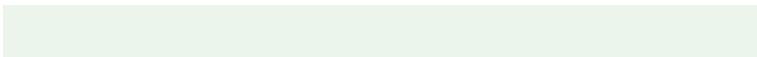
The Inverse Universe completely reimagines the original color for something new.



85.1843, 0.3157, 0.3230



91.8084, 0.3164, 0.3217



89.1534, 0.3129, 0.3392



17.7840, 0.3169, 0.3206



11.6173, 0.4545, 0.2277

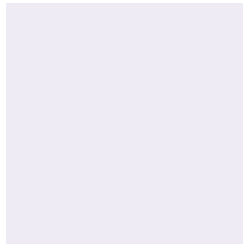


1.0413, 0.4331, 0.2160



# Previews

## White Background



This preview shows how the Yxy color 84.3600, 0.3092, 0.3189 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

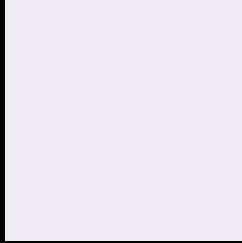
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.3600, 0.3092, 0.3189 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

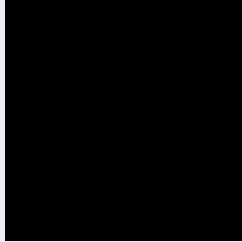
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

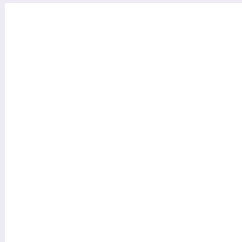
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.3600, 0.3092, 0.3189**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.3600, 0.3092, 0.3189.

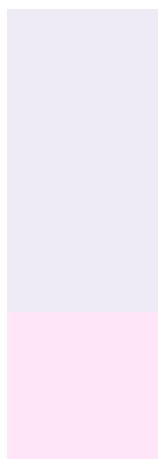


This preview shows how white text looks on a background with the Yxy color 84.3600, 0.3092, 0.3189.

# 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

84.3600, 0.3092, 0.3189

### Protanopia

84.1864, 0.3085, 0.3189

### Deuteranopia

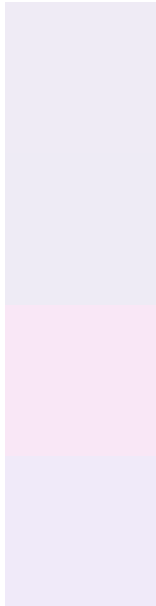
83.9524, 0.3196, 0.3124



## Tritanopia

84.3992, 0.3056, 0.3110

# Trichromacy



## Original Color

84.3600, 0.3092, 0.3189

## Protanomaly

84.1864, 0.3085, 0.3189

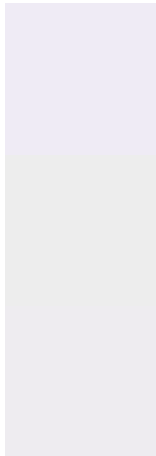
## Deuteranomaly

83.9454, 0.3154, 0.3142

## Tritanomaly

84.2105, 0.3074, 0.3140

# Monochromacy



## Original Color

84.3600, 0.3092, 0.3189

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

84.4593, 0.3116, 0.3249

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.3600, 0.3092, 0.3189 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(239, 235, 245)` looks like.

```
.text, #text, p{  
    color:rgb(239, 235, 245)  
}
```

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(239, 235, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 235, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 84.3600, 0.3092, 0.3189 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(239, 235, 245) }
```

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

```
.border{ border-color:rgb(239, 235, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 235, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 235, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 235, 245);  
box-shadow:4px 4px 4px 4px rgb(239, 235,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.3600, 0.3092, 0.3189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 235, 245) }
```

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

```
.background{ background-color: rgb(239,  
235, 245) }
```

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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