

# Converting Colors

$Yxy(85.5899, 0.2870, 0.2902)$

Have a look what the booklet for  
Yxy(85.5899, 0.2870, 0.2902)  
contains.

<b>Yxy(84.3667, 0.2987, 0.3098)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(84.3667, 0.2987, 0.3098)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8ECFF
RGB	232, 236, 255
RGB Percent	91%, 93%, 100%
CMY	0.0899, 0.0746, 0.0000
CMYK	0.09, 0.07, 0.00, 0.00
HSL	230°, 100%, 96%
HSV	230°, 9%, 100%
XYZ	81.3439, 84.3667, 106.6158
YIQ	236.9700, -8.4830, 5.0610

# Conversions

## Conversions Part 2

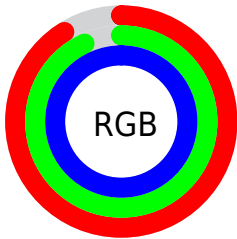
Format	Color
R <sub>Y</sub> B	232, 235, 255
Decimal	15265023
CIE Lab	93.61, 2.26, -9.62
CIE LCh	94, 9.882, 283.216
Yxy	84.3667, 0.2987, 0.3098
Android (android.graphics.Color)	4293455103 (0xFFE8ECFF)
YUV	236.9700, 8.8888, -4.3587
Hunter-Lab	91.8513, -2.6596, -4.5245

# Details

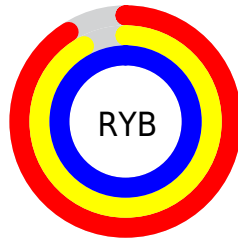
The Yxy color **84.3667, 0.2987, 0.3098** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **96.1442, 0.3265, 0.3475**, and the grayscale version is **84.6085, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.9498, 0.2955, 0.3057** is the 20% darker color. If you saturate the color by 10%, you get **68.9370, 0.2816, 0.2858**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

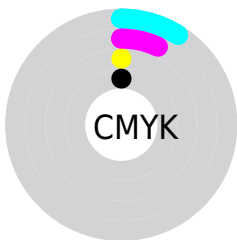
# Distribution



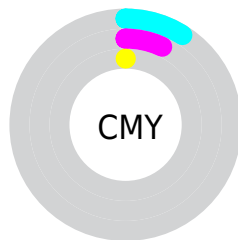
- Red (91%)
- Green (93%)
- Blue (100%)



- Red (91%)
- Yellow (92%)
- Blue (100%)



- Cyan (9%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (7%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.3667, 0.2987, 0.3098 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 84.3667, 0.2987, 0.3098 by changing the saturation by 10% instead.



84.3667, 0.2987,  
0.3098

84.3667, 0.2987,  
0.3098

509.5302, 0.3050,  
0.3184

63.3182, 0.2973,  
0.3079

139.4880, 0.3009,  
0.3127

46.0987, 0.2956,  
0.3056

174.3297, 0.3017,  
0.3139

32.3237, 0.2934,  
0.3027

214.5378, 0.3024,  
0.3149

21.6089, 0.2907,  
0.2990

260.4969, 0.3031,  
0.3158

13.5698, 0.2870,  
0.2941

312.5913, 0.3037,  
0.3165

7.8221, 0.2819,  
0.2874

371.2053, 0.3042,

3.9813, 0.2742,

0.3172

0.2774

436.7235, 0.3046,  
0.3178

■ 1.6631, 0.2616,  
0.2611

■ 0.3996, 0.2231,  
0.2050

■ 84.3667, 0.2987,  
0.3098

■ 84.3667, 0.2987,  
0.3098

■ 68.9370, 0.2816,  
0.2858

100.0000, 0.3127,  
0.3290

■ 55.4901, 0.2631,  
0.2591

■ 43.9471, 0.2435,  
0.2300

■ 34.2208, 0.2235,  
0.1992

■ 26.2170, 0.2040,  
0.1680

■ 19.8329, 0.1863,  
0.1381

■ 14.9542, 0.1715,  
0.1114

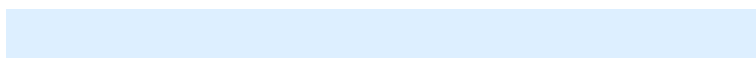
■ 11.4509, 0.1607,  
0.0897

■ 9.1579, 0.1541,  
0.0741

# Harmonies

## Analogous

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



84.3667, 0.2922, 0.3131



84.3667, 0.2987, 0.3098



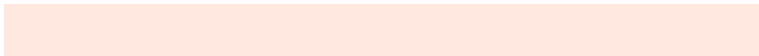
84.3667, 0.3090, 0.3115

# Triad

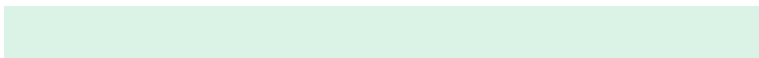
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.3667, 0.2987, 0.3098



84.3667, 0.3348, 0.3366



84.3667, 0.3048, 0.3407

# Complementary

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



84.3667, 0.2987, 0.3098



96.1442, 0.3265, 0.3475

# Split Complementary

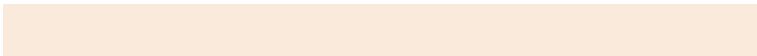
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.3667, 0.3161, 0.3473



84.3667, 0.2987, 0.3098



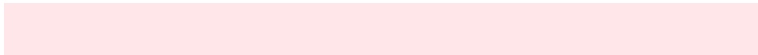
84.3667, 0.3336, 0.3447

# Square

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



84.3667, 0.2987, 0.3098



84.3667, 0.3300, 0.3268



84.3667, 0.3267, 0.3487



84.3667, 0.2957, 0.3309



# Rectangle

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



84.3667, 0.2987, 0.3098



84.3667, 0.3167, 0.3152



84.3667, 0.3267, 0.3487



84.3667, 0.3085, 0.3434

# Sweetspot

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



84.3693, 0.2987, 0.3098



94.5950, 0.3082, 0.3228



95.6410, 0.3011, 0.3331



19.9449, 0.3070, 0.3212



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.



84.3693, 0.2987, 0.3098



81.1033, 0.2954, 0.3052



83.3858, 0.3034, 0.3061



17.8777, 0.2979, 0.3087



4.8372, 0.1541, 0.0748



0.6035, 0.1591, 0.0926



# Inverse Universe

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



85.0717, 0.3259, 0.3252



81.9816, 0.3292, 0.3243



97.2597, 0.3215, 0.3515



18.0376, 0.3267, 0.3250



11.2163, 0.6153, 0.3163

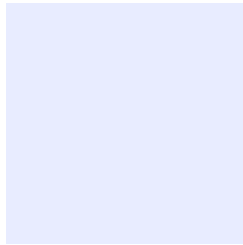


1.1055, 0.5871, 0.3008



# Previews

## White Background



This preview shows how the Yxy color 84.3667, 0.2987, 0.3098 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

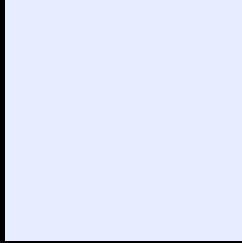
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.3667, 0.2987, 0.3098 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

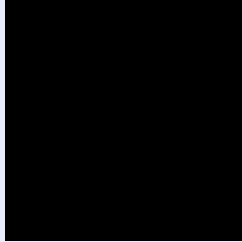
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.3667, 0.2987, 0.3098**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.3667, 0.2987, 0.3098.



This preview shows how white text looks on a background with the Yxy color 84.3667, 0.2987, 0.3098.

# 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

84.3667, 0.2987, 0.3098

### Protanopia

84.2346, 0.3012, 0.3099

### Deuteranopia

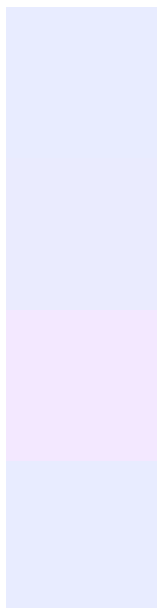
84.1376, 0.3105, 0.3046



## Tritanopia

84.3667, 0.2987, 0.3098

# Trichromacy



## Original Color

84.3667, 0.2987, 0.3098

## Protanomaly

84.0648, 0.3005, 0.3099

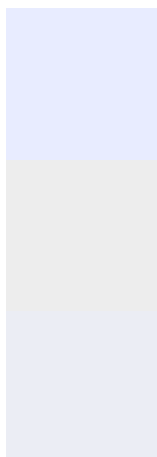
## Deuteranomaly

83.9879, 0.3058, 0.3062

## Tritanomaly

84.3667, 0.2987, 0.3098

# Monochromacy



## Original Color

84.3667, 0.2987, 0.3098

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

84.7622, 0.3071, 0.3219

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.3667, 0.2987, 0.3098 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(232, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 236, 255)  
}
```

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(232, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 236, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 84.3667, 0.2987, 0.3098 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(232, 236, 255) }
```

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

```
.border{ border-color:rgb(232, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 236,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.3667, 0.2987, 0.3098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 236, 255) }
```

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

```
.background{ background-color: rgb(232,  
236, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor