

# Converting Colors

Yxy(86.5535, 0.3069, 0.3103)

Have a look what the booklet for  
Yxy(86.5535, 0.3069, 0.3103)  
contains.

<b>Yxy(86.6234, 0.3070, 0.3103)</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(86.6234, 0.3070, 0.3103)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5ECFF
RGB	245, 236, 255
RGB Percent	96%, 93%, 100%
CMY	0.0393, 0.0745, 0.0000
CMYK	0.04, 0.07, 0.00, 0.00
HSL	268°, 100%, 96%
HSV	268°, 7%, 100%
XYZ	85.7022, 86.6234, 106.8346
YIQ	240.8570, -0.7350, 7.8170

# Conversions

## Conversions Part 2

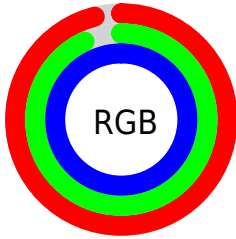
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	245, 236, 255
Decimal	16116991
CIE <sub>Lab</sub>	94.58, 6.41, -8.09
CIE <sub>LCh</sub>	95, 10.321, 308.427
Yxy	86.6234, 0.3070, 0.3103
Android (android.graphics.Color)	4294307071 (0xFF5ECFF)
YUV	240.8570, 6.9725, 3.6334
Hunter-Lab	93.0717, 1.4907, -2.9073

# Details

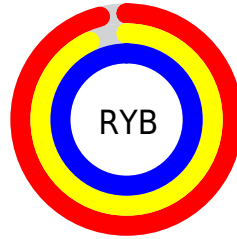
The Yxy color 86.6234, 0.3070, 0.3103 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97.1723, 0.3181, 0.3476, and the grayscale version is 87.7890, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 47.5386, 0.3062, 0.3064 is the 20% darker color. If you saturate the color by 10%, you get 70.6443, 0.2982, 0.2833, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

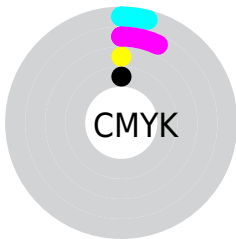
# Distribution



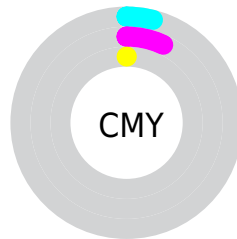
- Red (96%)
- Green (93%)
- Blue (100%)



- Red (96%)
- Yellow (93%)
- Blue (100%)



- Cyan (4%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (4%)
- Magenta (7%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.6234, 0.3070, 0.3103 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 86.6234, 0.3070, 0.3103 by changing the saturation by 10% instead.




 86.6234, 0.3070,  
0.3103

 86.6234, 0.3070,  
0.3103


516.9846, 0.3096,  
0.3186

 65.1836, 0.3064,  
0.3085


142.6391, 0.3079,  
0.3131

 47.6100, 0.3057,  
0.3063

177.9838, 0.3082,  
0.3142

 33.5181, 0.3048,  
0.3036


218.7322, 0.3085,  
0.3152

 22.5237, 0.3036,  
0.3001


265.2688, 0.3088,  
0.3160

 14.2422, 0.3021,  
0.2955

317.9780, 0.3090,  
0.3168

 8.2893, 0.2999,  
0.2892

377.2440, 0.3093,

 4.2806, 0.2966,

0.3175

0.2801

443.4514, 0.3094,  
0.3181

■ 1.8317, 0.2910,  
0.2655

■ 0.5068, 0.2811,  
0.2232

■ 86.6234, 0.3070,  
0.3103

■ 86.6234, 0.3070,  
0.3103

■ 70.6443, 0.2982,  
0.2833

100.0000, 0.3127,  
0.3290

■ 56.8432, 0.2881,  
0.2545

■ 45.1233, 0.2765,  
0.2243

■ 35.3785, 0.2638,  
0.1940

■ 27.4928, 0.2502,  
0.1646

■ 21.3378, 0.2362,  
0.1380

■ 16.7678, 0.2224,  
0.1155

■ 13.6121, 0.2094,  
0.0984

■ 11.6491, 0.1980,  
0.0872

# Harmonies

## Analogous

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



86.6234, 0.2968, 0.3093



86.6234, 0.3070, 0.3103



86.6234, 0.3189, 0.3160

# Triad

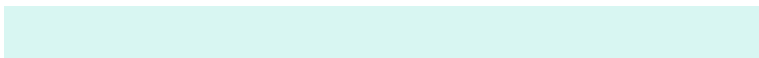
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.6234, 0.3070, 0.3103



86.6234, 0.3350, 0.3441



86.6234, 0.2963, 0.3327

# Complementary

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



86.6234, 0.3070, 0.3103



97.1723, 0.3181, 0.3476

# 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.



86.6234, 0.3063, 0.3425



86.6234, 0.3070, 0.3103



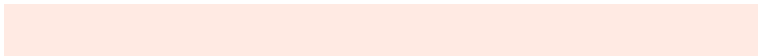
86.6234, 0.3287, 0.3491

# Square

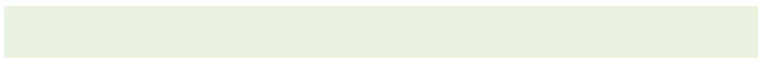
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.6234, 0.3070, 0.3103



86.6234, 0.3352, 0.3353



86.6234, 0.3181, 0.3486



86.6234, 0.2908, 0.3220



# Rectangle

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



86.6234, 0.3070, 0.3103



86.6234, 0.3262, 0.3218



86.6234, 0.3181, 0.3486



86.6234, 0.2993, 0.3362

# Sweetspot

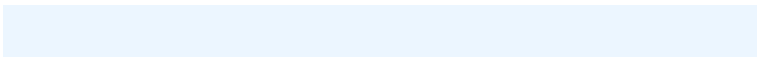
The Sweet Spot groups the original color and five complimentary colors.



86.6252, 0.3070, 0.3103



96.2829, 0.3113, 0.3241



91.0484, 0.3012, 0.3202



20.6474, 0.3113, 0.3244



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.



86.6252, 0.3070, 0.3103



83.9991, 0.3057, 0.3063



88.3547, 0.3132, 0.3107



17.7990, 0.3053, 0.3050



5.9692, 0.1969, 0.0859



0.6456, 0.2094, 0.0927



# Inverse Universe

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



87.9094, 0.3192, 0.3193



85.5419, 0.3206, 0.3172



95.5190, 0.3122, 0.3480



18.1471, 0.3211, 0.3165



12.0444, 0.4850, 0.2445

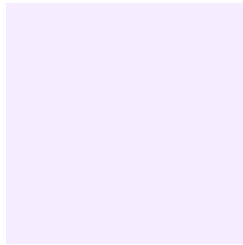


1.1948, 0.4611, 0.2314



# Previews

## White Background



This preview shows how the Yxy color 86.6234, 0.3070, 0.3103 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

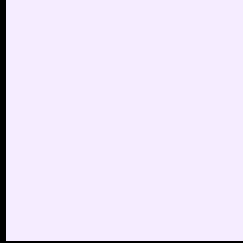
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.6234, 0.3070, 0.3103 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

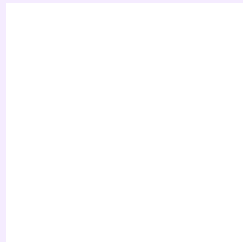
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.6234, 0.3070, 0.3103**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.6234, 0.3070, 0.3103.



This preview shows how white text looks on a background with the Yxy color 86.6234, 0.3070, 0.3103.

# 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

86.6234, 0.3070, 0.3103

### Protanopia

86.7198, 0.3031, 0.3121

### Deuteranopia

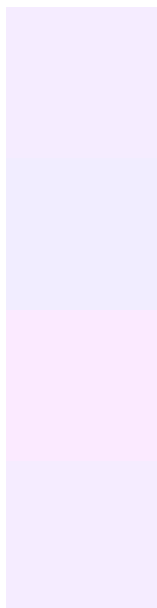
86.5687, 0.3130, 0.3077



## Tritanopia

86.6234, 0.3070, 0.3103

# Trichromacy



## Original Color

86.6234, 0.3070, 0.3103

## Protanomaly

86.4891, 0.3044, 0.3112

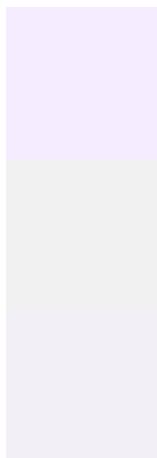
## Deuteranomaly

86.5749, 0.3110, 0.3086

## Tritanomaly

86.6234, 0.3070, 0.3103

# Monochromacy



## Original Color

86.6234, 0.3070, 0.3103

## Achromatopsia

87.9622, 0.3127, 0.3290

## Achromatomaly

87.2641, 0.3104, 0.3220

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.6234, 0.3070, 0.3103 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(245, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(245, 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(245, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 236, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 86.6234, 0.3070, 0.3103 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(245, 236, 255) }
```

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

```
.border{ border-color:rgb(245, 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(245, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(245, 236, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(245, 236, 255); box-shadow:4px 4px 4px 4px rgb(245, 236, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.6234, 0.3070, 0.3103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 236, 255) }
```

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

```
.background{ background-color: rgb(245,  
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