

# Converting Colors

$Yxy(85.0089, 0.3094, 0.3065)$

Have a look what the booklet for  
Yxy(85.0089, 0.3094, 0.3065)  
contains.

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# Color

**Yxy(84.8897, 0.3091, 0.3065)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8E8FF
RGB	248, 232, 255
RGB Percent	97%, 91%, 100%
CMY	0.0275, 0.0901, 0.0001
CMYK	0.03, 0.09, 0.00, 0.00
HSL	282°, 100%, 95%
HSV	282°, 9%, 100%
XYZ	85.6098, 84.8897, 106.4653
YIQ	239.4060, 2.1530, 10.5450

# Conversions

## Conversions Part 2

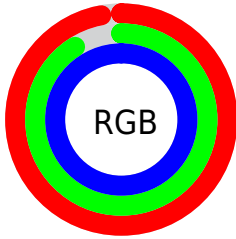
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	248, 232, 255
Decimal	16312575
CIE <sub>Lab</sub>	93.84, 9.44, -9.14
CIE <sub>LCh</sub>	94, 13.139, 315.942
Yxy	84.8897, 0.3091, 0.3065
Android (android.graphics.Color)	4294502655 (0xFF8E8FF)
YUV	239.4060, 7.6878, 7.5369
Hunter-Lab	92.1356, 4.6199, -4.0163

# Details

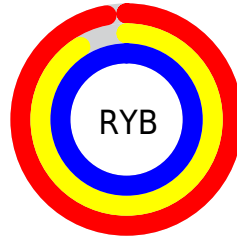
The Yxy color  $84.8897, 0.3091, 0.3065$  is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be  $95.6900, 0.3160, 0.3519$ , and the grayscale version is  $86.5869, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $46.3344, 0.3088, 0.3015$  is the 20% darker color. If you saturate the color by 10%, you get  $70.1719, 0.3043, 0.2801$ , and if you desaturate by 10%, it is  $99.9989, 0.3127, 0.3290$ .

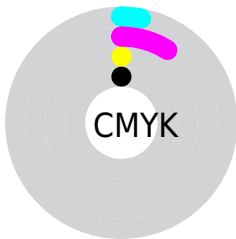
# Distribution



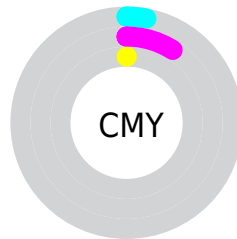
- Red (97%)
- Green (91%)
- Blue (100%)



- Red (97%)
- Yellow (91%)
- Blue (100%)



- Cyan (3%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (3%)
- Magenta (9%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.8897, 0.3091, 0.3065 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 84.8897, 0.3091, 0.3065 by changing the saturation by 10% instead.



 84.8897, 0.3091,  
0.3065

 84.8897, 0.3091,  
0.3065


511.2630, 0.3108,  
0.3165

 63.7502, 0.3087,  
0.3043


140.2191, 0.3097,  
0.3099

 46.4484, 0.3082,  
0.3017

175.1778, 0.3099,  
0.3112

 32.5998, 0.3076,  
0.2984


215.5117, 0.3101,  
0.3124

 21.8201, 0.3068,  
0.2942

261.6052, 0.3103,  
0.3134

 13.7247, 0.3057,  
0.2887

313.8426, 0.3104,  
0.3143

 7.9295, 0.3041,  
0.2812

372.6085, 0.3106,

 4.0499, 0.3017,

0.3151

0.2703

438.2872, 0.3107,  
0.3158

■ 1.7015, 0.2973,  
0.2529

■ 0.4246, 0.2927,  
0.1960

■ 84.8897, 0.3091,  
0.3065

■ 84.8897, 0.3091,  
0.3065

■ 70.1719, 0.3043,  
0.2801

99.9989, 0.3127,  
0.3290

■ 57.5020, 0.2987,  
0.2526

■ 46.7873, 0.2923,  
0.2249

■ 37.9234, 0.2851,  
0.1980

■ 30.7960, 0.2772,  
0.1729

■ 25.2780, 0.2689,  
0.1510

■ 21.2241, 0.2605,  
0.1333

■ 18.4625, 0.2523,  
0.1205

■ 16.7396, 0.2444,  
0.1123

# Harmonies

## Analogous

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



84.8897, 0.2952, 0.3036



84.8897, 0.3091, 0.3065



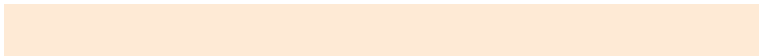
84.8897, 0.3243, 0.3150

# Triad

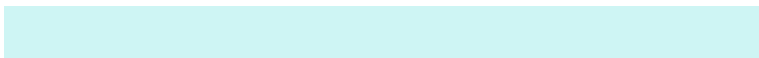
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.8897, 0.3091, 0.3065



84.8897, 0.3399, 0.3505



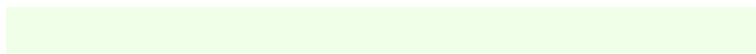
84.8897, 0.2894, 0.3302

# Complementary

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



84.8897, 0.3091, 0.3065



95.6900, 0.3160, 0.3519

# 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.



84.8897, 0.3009, 0.3436



84.8897, 0.3091, 0.3065



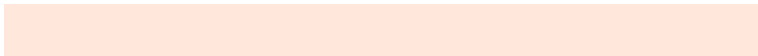
84.8897, 0.3301, 0.3554

# Square

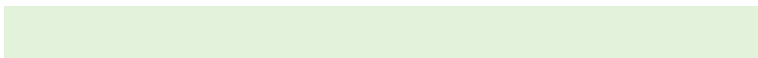
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.8897, 0.3091, 0.3065



84.8897, 0.3423, 0.3401



84.8897, 0.3158, 0.3529



84.8897, 0.2840, 0.3168



# Rectangle

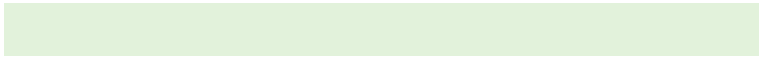
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.8897, 0.3091, 0.3065



84.8897, 0.3330, 0.3229



84.8897, 0.3158, 0.3529



84.8897, 0.2926, 0.3349

# Sweetspot

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



84.8933, 0.3091, 0.3065



94.7761, 0.3116, 0.3217



86.2791, 0.2987, 0.3132



19.9943, 0.3113, 0.3197



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.



84.8933, 0.3091, 0.3065



81.8046, 0.3082, 0.3013



85.9291, 0.3164, 0.3108



18.0062, 0.3089, 0.3052



8.7539, 0.2449, 0.1123



0.9097, 0.2538, 0.1172



# Inverse Universe

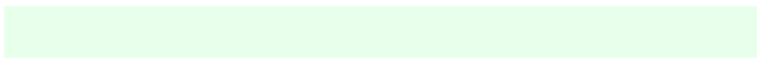
The Inverse Universe completely reimagines the original color for something new.



85.2115, 0.3239, 0.3222



82.1981, 0.3267, 0.3206



94.7367, 0.3092, 0.3479



18.0783, 0.3246, 0.3218



11.4175, 0.5751, 0.2942

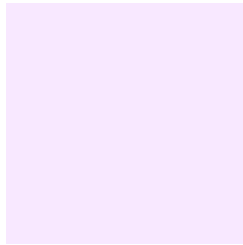


1.1302, 0.5431, 0.2765



# Previews

## White Background



This preview shows how the Yxy color 84.8897, 0.3091, 0.3065 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

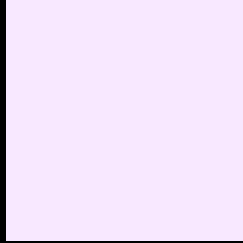
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.8897, 0.3091, 0.3065 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

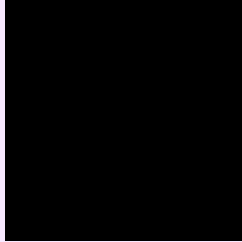
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

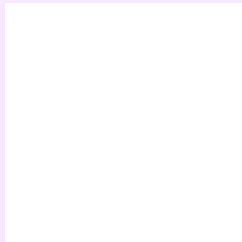
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.8897, 0.3091, 0.3065**

## Background



This preview shows how black text looks on a background with the Yxy color 84.8897, 0.3091, 0.3065.

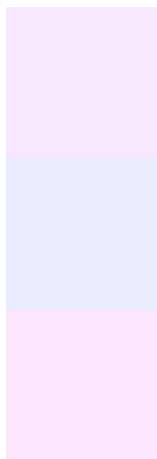


This preview shows how white text looks on a background with the Yxy color 84.8897, 0.3091, 0.3065.

# 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

84.8897, 0.3091, 0.3065

### Protanopia

85.0438, 0.3012, 0.3100

### Deuteranopia

85.0673, 0.3118, 0.3057



## Tritanopia

85.0170, 0.3109, 0.3113

# Trichromacy



## Original Color

84.8897, 0.3091, 0.3065

## Protanomaly

85.1619, 0.3038, 0.3091

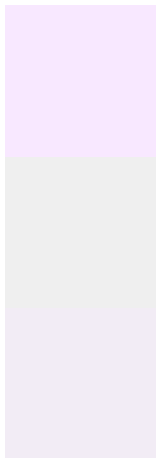
## Deuteranomaly

84.8811, 0.3111, 0.3056

## Tritanomaly

85.0803, 0.3103, 0.3103

# Monochromacy



## Original Color

84.8897, 0.3091, 0.3065

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

85.4607, 0.3111, 0.3200

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.8897, 0.3091, 0.3065 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(248, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(248, 232, 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(248, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 232, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 84.8897, 0.3091, 0.3065 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(248, 232, 255) }
```

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

```
.border{ border-color:rgb(248, 232, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(248, 232,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.8897, 0.3091, 0.3065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 232, 255) }
```

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

```
.background{ background-color: rgb(248,  
232, 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](#).

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