

# Converting Colors

$Yxy(86.7850, 0.2658, 0.2506)$

Have a look what the booklet for  
Yxy(86.7850, 0.2658, 0.2506)  
contains.

<b>Yxy(82.2569, 0.2993, 0.3058)</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(82.2569, 0.2993, 0.3058)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9E8FF
RGB	233, 232, 255
RGB Percent	91%, 91%, 100%
CMY	0.0863, 0.0902, 0.0001
CMYK	0.09, 0.09, 0.00, 0.00
HSL	243°, 100%, 95%
HSV	243°, 9%, 100%
XYZ	80.5085, 82.2569, 106.2238
YIQ	234.9210, -6.7870, 7.3650

# Conversions

## Conversions Part 2

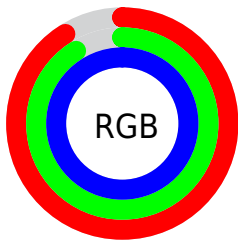
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	233, 232, 255
Decimal	15329535
CIE Lab	92.69, 4.60, -10.97
CIE LCh	93, 11.891, 292.759
Yxy	82.2569, 0.2993, 0.3058
Android (android.graphics.Color)	4293519615 (0xFFE9E8FF)
YUV	234.9210, 9.8989, -1.6847
Hunter-Lab	90.6956, -0.2668, -5.9543

# Details

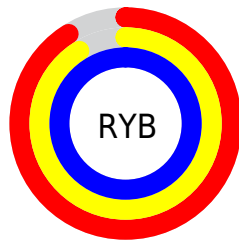
The Yxy color **82.2569, 0.2993, 0.3058** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **98.4020, 0.3255, 0.3513**, and the grayscale version is **82.9435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.4750, 0.2962, 0.3005** is the 20% darker color. If you saturate the color by 10%, you get **65.1056, 0.2824, 0.2768**, and if you desaturate by 10%, it is **99.9987, 0.3127, 0.3290**.

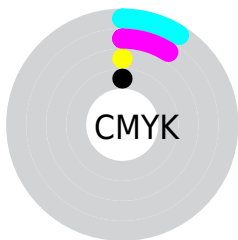
# Distribution



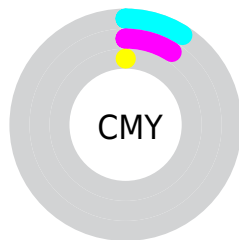
- Red (91%)
- Green (91%)
- Blue (100%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.2569, 0.2993, 0.3058 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 82.2569, 0.2993, 0.3058 by changing the saturation by 10% instead.



82.2569, 0.2993,  
0.3058

82.2569, 0.2993,  
0.3058

502.5066, 0.3054,  
0.3162

61.5773, 0.2979,  
0.3035

136.5342, 0.3014,  
0.3093

44.6912, 0.2963,  
0.3007

170.9007, 0.3022,  
0.3107

31.2143, 0.2942,  
0.2972

210.5983, 0.3029,  
0.3119

20.7621, 0.2914,  
0.2928

256.0114, 0.3035,  
0.3130

12.9502, 0.2878,  
0.2869

307.5244, 0.3041,  
0.3139

7.3943, 0.2827,  
0.2787

365.5217, 0.3046,

3.7099, 0.2750,

0.3148

0.2667

430.3876, 0.3050,  
0.3155

■ 1.5126, 0.2621,  
0.2472

■ 0.2976, 0.2209,  
0.1663

■ 82.2569, 0.2993,  
0.3058

■ 82.2569, 0.2993,  
0.3058

■ 65.1056, 0.2824,  
0.2768

99.9987, 0.3127,  
0.3290

■ 50.4884, 0.2636,  
0.2447

■ 38.2882, 0.2432,  
0.2101

■ 28.3749, 0.2219,  
0.1745

■ 20.6059, 0.2011,  
0.1400

■ 14.8227, 0.1823,  
0.1092

■ 10.8451, 0.1671,  
0.0849

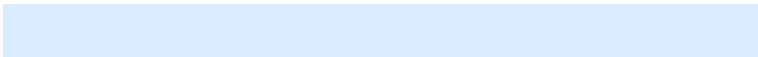
■ 8.4598, 0.1567,  
0.0688

■ 7.3627, 0.1512,  
0.0610

# Harmonies

## Analogous

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



82.2569, 0.2897, 0.3078



82.2569, 0.2993, 0.3058



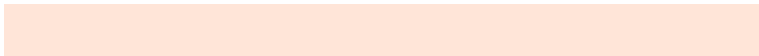
82.2569, 0.3126, 0.3098

# Triad

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



82.2569, 0.2993, 0.3058



82.2569, 0.3399, 0.3417



82.2569, 0.2991, 0.3397

# Complementary

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



82.2569, 0.2993, 0.3058



98.4020, 0.3255, 0.3513

# Split Complementary

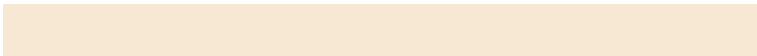
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.2569, 0.3124, 0.3494



82.2569, 0.2993, 0.3058



82.2569, 0.3361, 0.3502

# Square

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



82.2569, 0.2993, 0.3058



82.2569, 0.3363, 0.3301



82.2569, 0.3259, 0.3532



82.2569, 0.2897, 0.3272



# Rectangle

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



82.2569, 0.2993, 0.3058



82.2569, 0.3219, 0.3152



82.2569, 0.3259, 0.3532



82.2569, 0.3033, 0.3435

# Sweetspot

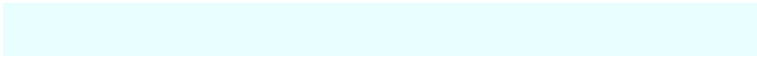
The Sweet Spot groups the original color and five complimentary colors.



82.2604, 0.2993, 0.3058



93.8541, 0.3084, 0.3216



95.3957, 0.2988, 0.3282



19.7459, 0.3073, 0.3195



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.



82.2604, 0.2993, 0.3058



78.6519, 0.2961, 0.3003



84.2158, 0.3066, 0.3063



17.4153, 0.2985, 0.3044



3.8261, 0.1513, 0.0607



0.3852, 0.1543, 0.0624



# Inverse Universe

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



86.1285, 0.3144, 0.3078



83.3128, 0.3148, 0.3030



96.3405, 0.3183, 0.3518



18.2860, 0.3145, 0.3066



14.5261, 0.3321, 0.1603



1.4184, 0.3307, 0.1595



# Previews

## White Background



This preview shows how the Yxy color 82.2569, 0.2993, 0.3058 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

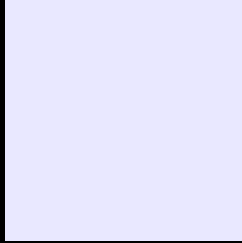
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.2569, 0.2993, 0.3058 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

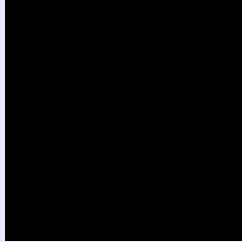
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 82.2569, 0.2993, 0.3058**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.2569, 0.2993, 0.3058.



This preview shows how white text looks on a background with the Yxy color 82.2569, 0.2993, 0.3058.

# 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

82.2569, 0.2993, 0.3058

### Protanopia

82.0890, 0.2986, 0.3057

### Deuteranopia

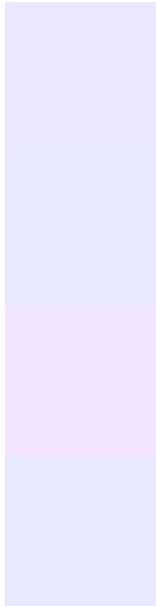
82.2996, 0.3079, 0.3024



## Tritanopia

82.3987, 0.3010, 0.3107

# Trichromacy



## Original Color

82.2569, 0.2993, 0.3058

## Protanomaly

82.0890, 0.2986, 0.3057

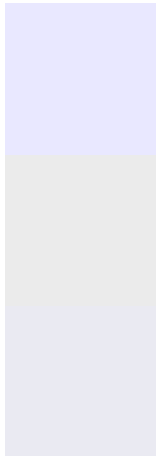
## Deuteranomaly

81.9594, 0.3045, 0.3031

## Tritanomaly

82.4619, 0.3004, 0.3097

# Monochromacy



## Original Color

82.2569, 0.2993, 0.3058

## Achromatopsia

83.0770, 0.3127, 0.3290

## Achromatomaly

82.7489, 0.3078, 0.3208

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.2569, 0.2993, 0.3058 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(233, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 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(233, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 232, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 82.2569, 0.2993, 0.3058 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(233, 232, 255) }
```

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

```
.border{ border-color:rgb(233, 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(233, 232, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 232,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.2569, 0.2993, 0.3058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 232, 255) }
```

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

```
.background{ background-color: rgb(233,  
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](#).

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