

# Converting Colors

$Yxy(82.8427, 0.2993, 0.3068)$

Have a look what the booklet for  
Yxy(82.8427, 0.2993, 0.3068)  
contains.

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# Color

**Yxy(82.8215, 0.2993, 0.3068)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9E9FF
RGB	233, 233, 255
RGB Percent	91%, 91%, 100%
CMY	0.0862, 0.0863, 0.0000
CMYK	0.09, 0.09, 0.00, 0.00
HSL	240°, 100%, 96%
HSV	240°, 9%, 100%
XYZ	80.7969, 82.8215, 106.3344
YIQ	235.5080, -7.0620, 6.8420

# Conversions

## Conversions Part 2

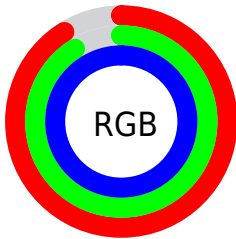
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	233, 233, 255
Decimal	15329791
CIE Lab	92.94, 4.09, -10.61
CIE LCh	93, 11.369, 291.111
Yxy	82.8215, 0.2993, 0.3068
Android (android.graphics.Color)	4293519871 (0xFFE9E9FF)
YUV	235.5080, 9.6096, -2.1995
Hunter-Lab	91.0063, -0.7859, -5.5717

# Details

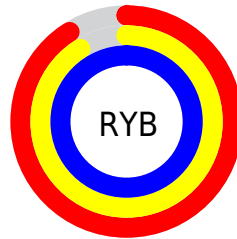
The Yxy color **82.8215, 0.2993, 0.3068** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **98.6600, 0.3256, 0.3503**, and the grayscale version is **83.4184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.8686, 0.2963, 0.3018** is the 20% darker color. If you saturate the color by 10%, you get **65.4317, 0.2818, 0.2778**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

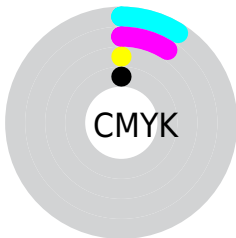
# Distribution



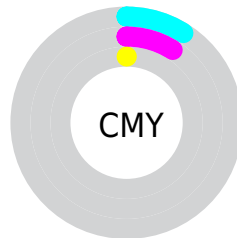
- Red (91%)
- Green (91%)
- Blue (100%)



- 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 82.8215, 0.2993, 0.3068 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 82.8215, 0.2993, 0.3068 by changing the saturation by 10% instead.



82.8215, 0.2993,  
0.3068

82.8215, 0.2993,  
0.3068

504.3914, 0.3054,  
0.3167

62.0429, 0.2979,  
0.3046

137.3254, 0.3014,  
0.3102

45.0674, 0.2963,  
0.3019

171.8196, 0.3022,  
0.3115

31.5105, 0.2942,  
0.2986

211.6543, 0.3029,  
0.3127

20.9879, 0.2915,  
0.2943

257.2141, 0.3035,  
0.3137

13.1151, 0.2879,  
0.2887

308.8833, 0.3041,  
0.3146

7.5079, 0.2828,  
0.2809

367.0463, 0.3046,

3.7817, 0.2752,

0.3154

0.2694

432.0876, 0.3050,  
0.3161

■ 1.5522, 0.2626,  
0.2507

■ 0.3251, 0.2228,  
0.1771

■ 82.8215, 0.2993,  
0.3068

■ 82.8215, 0.2993,  
0.3068

■ 65.4317, 0.2818,  
0.2778

100.0000, 0.3127,  
0.3290

■ 50.6283, 0.2622,  
0.2455

■ 38.2910, 0.2411,  
0.2106

■ 28.2858, 0.2194,  
0.1746

■ 20.4662, 0.1982,  
0.1397

■ 14.6688, 0.1795,  
0.1086

■ 10.7077, 0.1647,  
0.0842

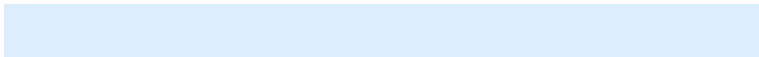
■ 8.3625, 0.1550,  
0.0682

■ 7.3198, 0.1505,  
0.0607

# Harmonies

## Analogous

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



82.8215, 0.2904, 0.3090



82.8215, 0.2993, 0.3068



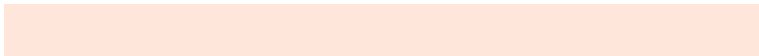
82.8215, 0.3119, 0.3103

# Triad

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



82.8215, 0.2993, 0.3068



82.8215, 0.3387, 0.3405



82.8215, 0.3004, 0.3399

# Complementary

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



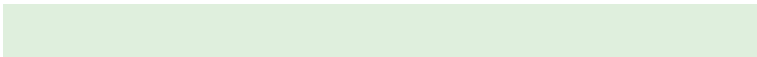
82.8215, 0.2993, 0.3068



98.6600, 0.3256, 0.3503

# Split Complementary

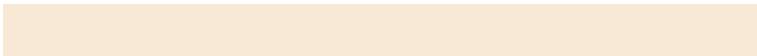
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.8215, 0.3131, 0.3488



82.8215, 0.2993, 0.3068



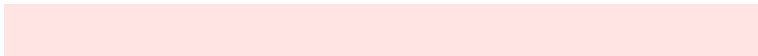
82.8215, 0.3354, 0.3489

# Square

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



82.8215, 0.2993, 0.3068



82.8215, 0.3348, 0.3294



82.8215, 0.3259, 0.3521



82.8215, 0.2911, 0.3280



# Rectangle

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



82.8215, 0.2993, 0.3068



82.8215, 0.3208, 0.3153



82.8215, 0.3259, 0.3521



82.8215, 0.3044, 0.3433

# Sweetspot

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



82.8250, 0.2993, 0.3068



93.7947, 0.3082, 0.3216



96.0638, 0.2993, 0.3290



19.7300, 0.3070, 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.



82.8250, 0.2993, 0.3068



80.2793, 0.2970, 0.3030



84.7315, 0.3064, 0.3073



17.3785, 0.2978, 0.3044



3.7736, 0.1500, 0.0600



0.3676, 0.1501, 0.0600



# Inverse Universe

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



86.7573, 0.3137, 0.3078



84.7945, 0.3139, 0.3044



96.6364, 0.3186, 0.3507



18.3002, 0.3138, 0.3056



14.8749, 0.3211, 0.1543

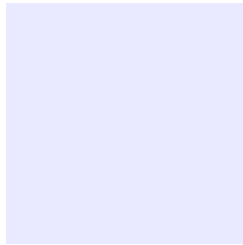


1.4484, 0.3211, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 82.8215, 0.2993, 0.3068 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

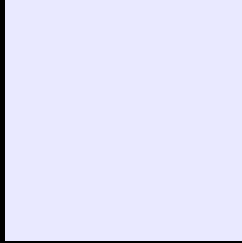
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.8215, 0.2993, 0.3068 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

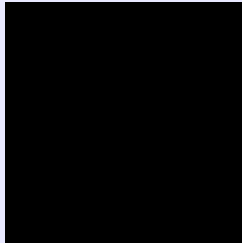
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 82.8215, 0.2993, 0.3068**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.8215, 0.2993, 0.3068.



This preview shows how white text looks on a background with the Yxy color 82.8215, 0.2993, 0.3068.

# 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

82.8215, 0.2993, 0.3068

### Protanopia

82.8215, 0.2993, 0.3068

### Deuteranopia

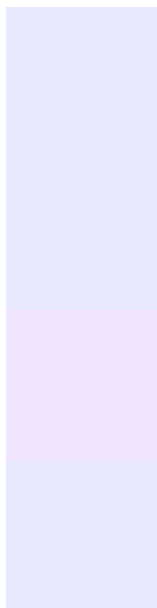
82.4810, 0.3086, 0.3024



## Tritanopia

82.6297, 0.3011, 0.3098

# Trichromacy



## Original Color

82.8215, 0.2993, 0.3068

## Protanomaly

82.8215, 0.2993, 0.3068

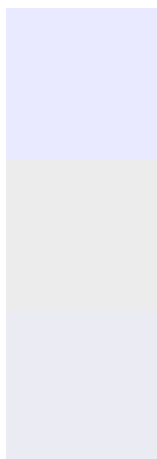
## Deuteranomaly

82.6909, 0.3052, 0.3042

## Tritanomaly

82.6933, 0.3005, 0.3088

# Monochromacy



## Original Color

82.8215, 0.2993, 0.3068

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

83.5499, 0.3078, 0.3209

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.8215, 0.2993, 0.3068 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, 233, 255)` looks like.

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

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

## Border

The CSS property to change the border of an element to Yxy 82.8215, 0.2993, 0.3068 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, 233, 255) }
```

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

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

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



# Background

The CSS property to change the background color of an element to Yxy 82.8215, 0.2993, 0.3068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(233,  
233, 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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