

# Converting Colors

$Yxy(80.6865, 0.2986, 0.3032)$

Have a look what the booklet for  
Yxy(80.6865, 0.2986, 0.3032)  
contains.

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# Color

**Yxy(80.9694, 0.2986, 0.3037)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8E6FF
RGB	232, 230, 255
RGB Percent	91%, 90%, 100%
CMY	0.0904, 0.0979, 0.0000
CMYK	0.09, 0.10, 0.00, 0.00
HSL	245°, 100%, 95%
HSV	245°, 10%, 100%
XYZ	79.6097, 80.9694, 106.0307
YIQ	233.4480, -6.8330, 8.1990

# Conversions

## Conversions Part 2

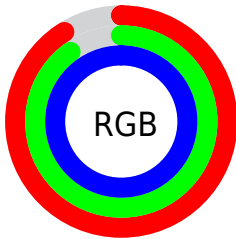
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 230, 255
Decimal	15263487
CIE Lab	92.12, 5.29, -11.83
CIE LCh	92, 12.957, 294.098
Yxy	80.9694, 0.2986, 0.3037
Android (android.graphics.Color)	4293453567 (0xFFE8E6FF)
YUV	233.4480, 10.6251, -1.2699
Hunter-Lab	89.9830, 0.4521, -6.8758

# Details

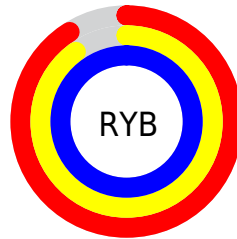
The Yxy color **80.9694, 0.2986, 0.3037** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **98.1242, 0.3261, 0.3533**, and the grayscale version is **81.7589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.9673, 0.2954, 0.2991** is the 20% darker color. If you saturate the color by 10%, you get **64.1237, 0.2822, 0.2746**, and if you desaturate by 10%, it is **99.9993, 0.3127, 0.3290**.

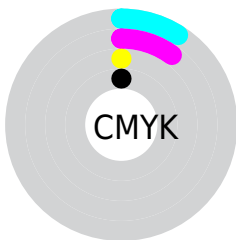
# Distribution



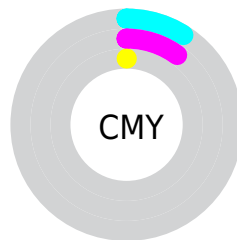
- Red (91%)
- Green (90%)
- Blue (100%)



- Red (91%)
- Yellow (90%)
- Blue (100%)



- Cyan (9%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)




- Cyan (9%)
- Magenta (10%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.9694, 0.2986, 0.3037 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 80.9694, 0.2986, 0.3037 by changing the saturation by 10% instead.



 80.9694, 0.2986,  
0.3037

 80.9694, 0.2986,  
0.3037


498.1938, 0.3050,  
0.3150

 60.5164, 0.2972,  
0.3012


134.7278, 0.3008,  
0.3076

 43.8350, 0.2954,  
0.2981

168.8020, 0.3017,  
0.3091

 30.5408, 0.2931,  
0.2943


208.1854, 0.3024,  
0.3104

 20.2494, 0.2903,  
0.2895

253.2623, 0.3031,  
0.3116

 12.5765, 0.2864,  
0.2830

304.4172, 0.3037,  
0.3126

 7.1376, 0.2809,  
0.2740

362.0345, 0.3042,

 3.5483, 0.2726,

0.3135

0.2608

426.4986, 0.3046,  
0.3143

■ 1.4242, 0.2587,  
0.2394

■ 0.2345, 0.2103,  
0.1401

■ 80.9694, 0.2986,  
0.3037

■ 80.9694, 0.2986,  
0.3037

■ 64.1237, 0.2822,  
0.2746

99.9993, 0.3127,  
0.3290

■ 49.7674, 0.2638,  
0.2425

■ 37.7856, 0.2438,  
0.2080

■ 28.0499, 0.2230,  
0.1728

■ 20.4203, 0.2026,  
0.1387

■ 14.7405, 0.1839,  
0.1085

■ 10.8328, 0.1686,  
0.0847

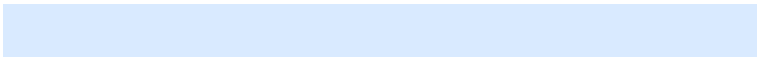
■ 8.4868, 0.1579,  
0.0689

■ 7.3805, 0.1519,  
0.0611

# Harmonies

## Analogous

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



80.9694, 0.2879, 0.3055



80.9694, 0.2986, 0.3037



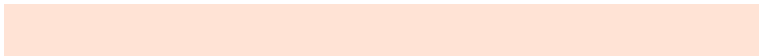
80.9694, 0.3133, 0.3083

# Triad

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



80.9694, 0.2986, 0.3037



80.9694, 0.3425, 0.3433



80.9694, 0.2973, 0.3402

# Complementary

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



80.9694, 0.2986, 0.3037



98.1242, 0.3261, 0.3533

# 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.



80.9694, 0.3116, 0.3510



80.9694, 0.2986, 0.3037



80.9694, 0.3379, 0.3525

# Square

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



80.9694, 0.2986, 0.3037



80.9694, 0.3389, 0.3308



80.9694, 0.3265, 0.3555



80.9694, 0.2872, 0.3264



# Rectangle

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



80.9694, 0.2986, 0.3037



80.9694, 0.3234, 0.3144



80.9694, 0.3265, 0.3555



80.9694, 0.3017, 0.3443

# Sweetspot

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



80.9728, 0.2986, 0.3037



93.9009, 0.3086, 0.3216



94.5027, 0.2976, 0.3273



19.7585, 0.3075, 0.3196



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.



80.9728, 0.2986, 0.3037



77.0370, 0.2951, 0.2976



83.0904, 0.3066, 0.3043



17.4444, 0.2990, 0.3045



3.8716, 0.1523, 0.0613



0.3989, 0.1576, 0.0642



# Inverse Universe

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



84.9618, 0.3151, 0.3067



81.8561, 0.3156, 0.3015



95.9012, 0.3183, 0.3539



18.2749, 0.3150, 0.3074



14.2654, 0.3413, 0.1654



1.3959, 0.3387, 0.1639



# Previews

## White Background



This preview shows how the Yxy color 80.9694, 0.2986, 0.3037 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

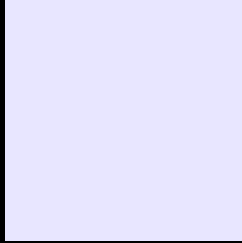
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.9694, 0.2986, 0.3037 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

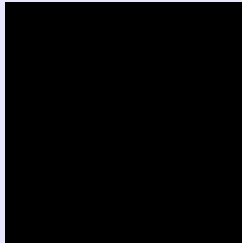
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 80.9694, 0.2986, 0.3037**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.9694, 0.2986, 0.3037.



This preview shows how white text looks on a background with the Yxy color 80.9694, 0.2986, 0.3037.

# 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

80.9694, 0.2986, 0.3037

### Protanopia

81.1948, 0.2973, 0.3046

### Deuteranopia

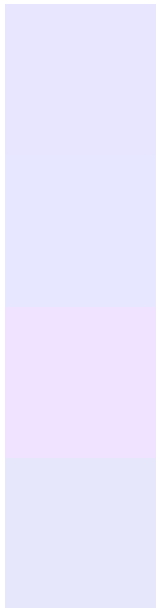
80.8458, 0.3066, 0.3002



## Tritanopia

80.9803, 0.3016, 0.3106

# Trichromacy



## Original Color

80.9694, 0.2986, 0.3037

## Protanomaly

81.3608, 0.2980, 0.3047

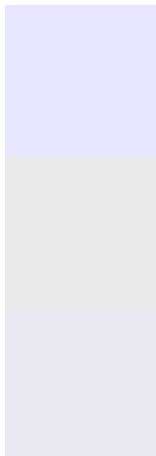
## Deuteranomaly

80.6834, 0.3039, 0.3010

## Tritanomaly

81.1058, 0.3004, 0.3086

# Monochromacy



## Original Color

80.9694, 0.2986, 0.3037

## Achromatopsia

81.4847, 0.3127, 0.3290

## Achromatomaly

81.3877, 0.3078, 0.3198

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.9694, 0.2986, 0.3037 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, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 230, 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, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 230, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 80.9694, 0.2986, 0.3037 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, 230, 255) }
```

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

```
.border{ border-color:rgb(232, 230, 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, 230, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 230,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.9694, 0.2986, 0.3037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 230, 255) }
```

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

```
.background{ background-color: rgb(232,  
230, 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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