

# Converting Colors

Yxy(84.4248, 0.3045, 0.3144)

Have a look what the booklet for  
Yxy(84.4248, 0.3045, 0.3144)  
contains.

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# Color

**Yxy(84.1517, 0.3042, 0.3139)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECEBFA
RGB	236, 235, 250
RGB Percent	93%, 92%, 98%
CMY	0.0746, 0.0784, 0.0196
CMYK	0.06, 0.06, 0.00, 0.02
HSL	244°, 60%, 95%
HSV	244°, 6%, 98%
XYZ	81.5513, 84.1517, 102.3814
YIQ	237.0090, -4.2190, 4.8770

# Conversions

## Conversions Part 2

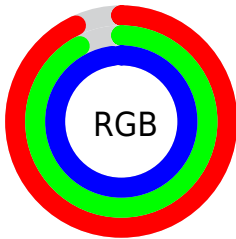
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 235, 250
Decimal	15526906
CIE Lab	93.52, 3.06, -7.12
CIE LCh	94, 7.748, 293.296
Yxy	84.1517, 0.3042, 0.3139
Android (android.graphics.Color)	4293716986 (0xFFECEBFA)
YUV	237.0090, 6.4046, -0.8849
Hunter-Lab	91.7342, -1.8493, -1.9576

# Details

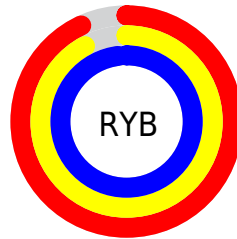
The Yxy color **84.1517, 0.3042, 0.3139** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94.5097, 0.3210, 0.3437**, and the grayscale version is **84.6484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.8385, 0.3018, 0.3096** is the 20% darker color. If you saturate the color by 10%, you get **67.0895, 0.2884, 0.2860**, and if you desaturate by 10%, it is **99.6818, 0.3156, 0.3338**.

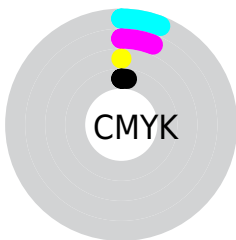
# Distribution



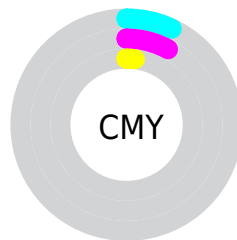
- Red (93%)
- Green (92%)
- Blue (98%)



- Red (93%)
- Yellow (92%)
- Blue (98%)



- Cyan (6%)
- Magenta (6%)
- Yellow (0%)
- Black (2%)



- Cyan (7%)
- Magenta (8%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.1517, 0.3042, 0.3139 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 84.1517, 0.3042, 0.3139 by changing the saturation by 10% instead.



84.1517, 0.3042,  
0.3139

84.1517, 0.3042,  
0.3139

508.8169, 0.3081,  
0.3207

63.1407, 0.3033,  
0.3124

139.1874, 0.3055,  
0.3162

45.9550, 0.3023,  
0.3106

173.9808, 0.3060,  
0.3171

32.2103, 0.3010,  
0.3083

214.1372, 0.3065,  
0.3179

21.5222, 0.2993,  
0.3054

260.0409, 0.3069,  
0.3186

13.5063, 0.2970,  
0.3015

312.0763, 0.3072,  
0.3192

7.7781, 0.2938,  
0.2962

370.6278, 0.3075,

3.9533, 0.2890,

0.3197

0.2882

436.0799, 0.3078,  
0.3202

■ 1.6475, 0.2810,  
0.2752

■ 0.3893, 0.2534,  
0.2218

■ 84.1517, 0.3042,  
0.3139

■ 84.1517, 0.3042,  
0.3139

■ 67.0895, 0.2884,  
0.2860

■ 99.6818, 0.3156,  
0.3338

■ 52.4551, 0.2705,  
0.2550

■ 40.1414, 0.2509,  
0.2212

■ 30.0291, 0.2302,  
0.1860

■ 21.9882, 0.2093,  
0.1511

■ 15.8752, 0.1898,  
0.1191

■ 11.5281, 0.1731,  
0.0925

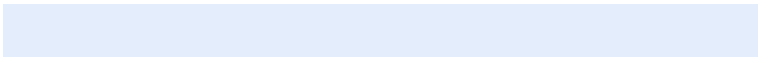
■ 8.7584, 0.1607,  
0.0736

■ 7.3343, 0.1532,  
0.0632

# Harmonies

## Analogous

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



84.1517, 0.2979, 0.3152



84.1517, 0.3042, 0.3139



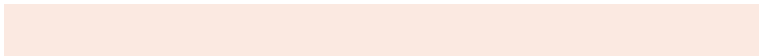
84.1517, 0.3129, 0.3165

# Triad

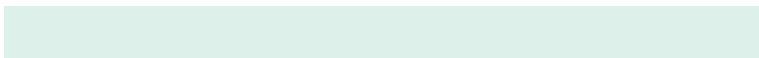
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.1517, 0.3042, 0.3139



84.1517, 0.3302, 0.3374



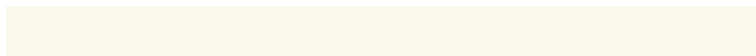
84.1517, 0.3038, 0.3358

# Complementary

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



84.1517, 0.3042, 0.3139



94.5097, 0.3210, 0.3437

# Split Complementary

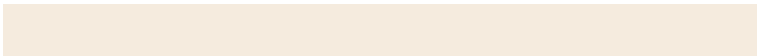
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.1517, 0.3124, 0.3420



84.1517, 0.3042, 0.3139



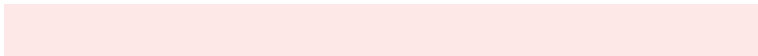
84.1517, 0.3277, 0.3428

# Square

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



84.1517, 0.3042, 0.3139



84.1517, 0.3280, 0.3299



84.1517, 0.3211, 0.3445



84.1517, 0.2977, 0.3278



# Rectangle

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



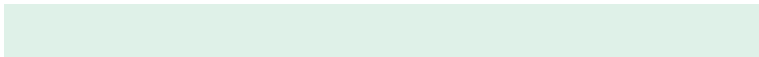
84.1517, 0.3042, 0.3139



84.1517, 0.3188, 0.3201



84.1517, 0.3211, 0.3445



84.1517, 0.3065, 0.3382

# Sweetspot

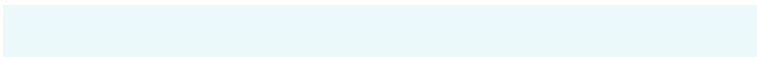
The Sweet Spot groups the original color and five complimentary colors.



84.1553, 0.3042, 0.3139



95.8960, 0.3100, 0.3241



92.4689, 0.3034, 0.3282



20.5687, 0.3101, 0.3243



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.



84.1553, 0.3042, 0.3139



86.1067, 0.3027, 0.3112



85.4241, 0.3089, 0.3141



17.4164, 0.3018, 0.3097



3.7414, 0.1520, 0.0611



0.3648, 0.1567, 0.0637



# Inverse Universe

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



86.5865, 0.3140, 0.3153



89.0606, 0.3142, 0.3129



93.2003, 0.3163, 0.3439



18.0700, 0.3144, 0.3116



13.9310, 0.3380, 0.1636

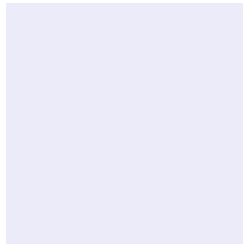


1.2960, 0.3357, 0.1623



# Previews

## White Background



This preview shows how the Yxy color 84.1517, 0.3042, 0.3139 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

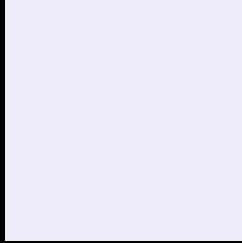
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.1517, 0.3042, 0.3139 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

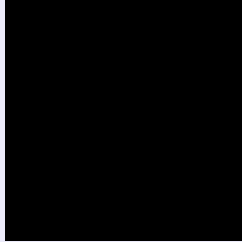
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.1517, 0.3042, 0.3139**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.1517, 0.3042, 0.3139.

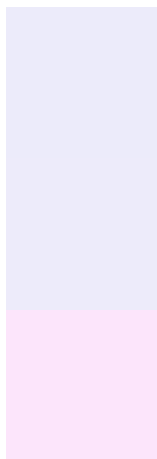


This preview shows how white text looks on a background with the Yxy color 84.1517, 0.3042, 0.3139.

# 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

84.1517, 0.3042, 0.3139

### Protanopia

84.3233, 0.3049, 0.3139

### Deuteranopia

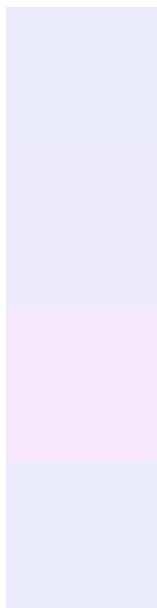
83.6991, 0.3144, 0.3075



## Tritanopia

84.3414, 0.3024, 0.3109

# Trichromacy



## Original Color

84.1517, 0.3042, 0.3139

## Protanomaly

84.3233, 0.3049, 0.3139

## Deuteranomaly

83.7097, 0.3103, 0.3092

## Tritanomaly

84.2778, 0.3030, 0.3119

# Monochromacy



## Original Color

84.1517, 0.3042, 0.3139

## Achromatopsia

84.6873, 0.3127, 0.3290

## Achromatomaly

84.4062, 0.3097, 0.3229

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.1517, 0.3042, 0.3139 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(236, 235, 250)` looks like.

```
.text, #text, p{  
    color:rgb(236, 235, 250)  
}
```

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(236, 235, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 235, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 84.1517, 0.3042, 0.3139 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(236, 235, 250) }
```

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

```
.border{ border-color:rgb(236, 235, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 235, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 235, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 235, 250);  
box-shadow:4px 4px 4px 4px rgb(236, 235,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.1517, 0.3042, 0.3139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 235, 250) }
```

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

```
.background{ background-color: rgb(236,  
235, 250) }
```

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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