

# Converting Colors

Yxy(82.4624, 0.3042, 0.3136)

Have a look what the booklet for  
Yxy(82.4624, 0.3042, 0.3136)  
contains.

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# Color

**Yxy(82.5476, 0.3041, 0.3138)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAE9F8
RGB	234, 233, 248
RGB Percent	92%, 91%, 97%
CMY	0.0826, 0.0862, 0.0275
CMYK	0.06, 0.06, 0.00, 0.03
HSL	244°, 52%, 94%
HSV	244°, 6%, 97%
XYZ	79.9959, 82.5476, 100.5145
YIQ	235.0090, -4.2190, 4.8770

# Conversions

## Conversions Part 2

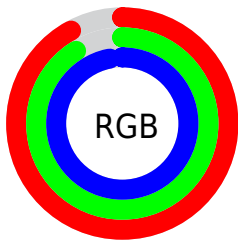
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	234, 233, 248
Decimal	15395320
CIE <sub>Lab</sub>	92.82, 3.04, -7.13
CIE <sub>LCh</sub>	93, 7.748, 293.125
Yxy	82.5476, 0.3041, 0.3138
Android (android.graphics.Color)	4293585400 (0xFFEAE9F8)
YUV	235.0090, 6.4046, -0.8849
Hunter-Lab	90.8557, -1.8332, -1.9940

# Details

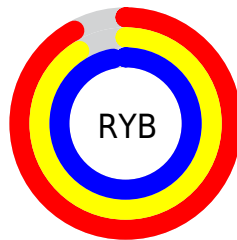
The Yxy color **82.5476, 0.3041, 0.3138** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **92.8025, 0.3211, 0.3438**, and the grayscale version is **83.0330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.7150, 0.3017, 0.3094** is the 20% darker color. If you saturate the color by 10%, you get **65.7953, 0.2882, 0.2859**, and if you desaturate by 10%, it is **99.5567, 0.3168, 0.3357**.

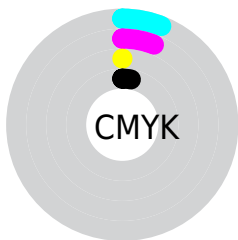
# Distribution



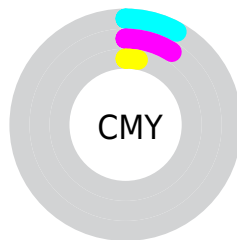
- Red (92%)
- Green (91%)
- Blue (97%)



- Red (92%)
- Yellow (91%)
- Blue (97%)



- Cyan (6%)
- Magenta (6%)
- Yellow (0%)
- Black (3%)



- Cyan (8%)
- Magenta (9%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.5476, 0.3041, 0.3138 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 82.5476, 0.3041, 0.3138 by changing the saturation by 10% instead.



82.5476, 0.3041,  
0.3138

82.5476, 0.3041,  
0.3138

503.4775, 0.3080,  
0.3206

61.8170, 0.3032,  
0.3123

136.9417, 0.3054,  
0.3161

44.8849, 0.3021,  
0.3104

171.3739, 0.3060,  
0.3171

31.3667, 0.3008,  
0.3081

211.1422, 0.3064,  
0.3178

20.8783, 0.2991,  
0.3052

256.6309, 0.3068,  
0.3185

13.0351, 0.2967,  
0.3012

308.2243, 0.3072,  
0.3192

7.4527, 0.2934,  
0.2957

366.3070, 0.3075,

3.7468, 0.2884,

0.3197

0.2875

431.2633, 0.3078,  
0.3202

■ 1.5329, 0.2800,  
0.2740

■ 0.3117, 0.2438,  
0.2051

■ 82.5476, 0.3041,  
0.3138

■ 82.5476, 0.3041,  
0.3138

■ 65.7953, 0.2882,  
0.2859

■ 99.5567, 0.3168,  
0.3357

■ 51.4290, 0.2702,  
0.2548

■ 39.3435, 0.2506,  
0.2211

■ 29.4212, 0.2298,  
0.1858

■ 21.5344, 0.2089,  
0.1509

■ 15.5418, 0.1893,  
0.1188

■ 11.2839, 0.1727,  
0.0923

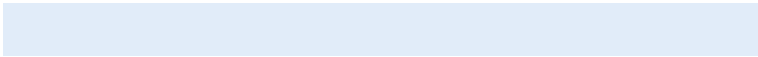
■ 8.5753, 0.1604,  
0.0734

■ 7.1878, 0.1531,  
0.0631

# Harmonies

## Analogous

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



82.5476, 0.2978, 0.3151



82.5476, 0.3041, 0.3138



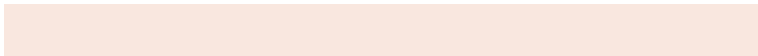
82.5476, 0.3128, 0.3164

# Triad

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



82.5476, 0.3041, 0.3138



82.5476, 0.3304, 0.3374



82.5476, 0.3038, 0.3359

# Complementary

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



82.5476, 0.3041, 0.3138



92.8025, 0.3211, 0.3438

# 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.



82.5476, 0.3124, 0.3421



82.5476, 0.3041, 0.3138



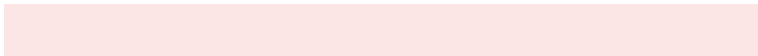
82.5476, 0.3278, 0.3429

# Square

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



82.5476, 0.3041, 0.3138



82.5476, 0.3281, 0.3299



82.5476, 0.3212, 0.3446



82.5476, 0.2976, 0.3278



# Rectangle

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



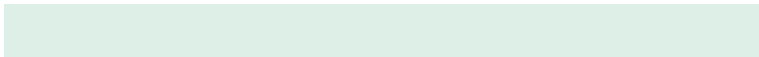
82.5476, 0.3041, 0.3138



82.5476, 0.3188, 0.3200



82.5476, 0.3212, 0.3446



82.5476, 0.3065, 0.3383

# Sweetspot

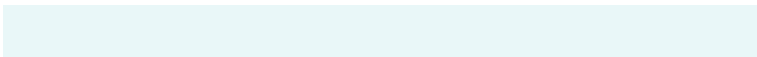
The Sweet Spot groups the original color and five complimentary colors.



82.5511, 0.3041, 0.3138



95.8917, 0.3099, 0.3241



90.7743, 0.3033, 0.3282



20.5678, 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.



82.5511, 0.3041, 0.3138



86.0926, 0.3026, 0.3112



83.8158, 0.3089, 0.3140



17.4133, 0.3017, 0.3097



3.7353, 0.1518, 0.0610



0.3630, 0.1562, 0.0634



# Inverse Universe

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



84.9683, 0.3140, 0.3151



89.0658, 0.3142, 0.3129



91.4966, 0.3163, 0.3440



18.0711, 0.3143, 0.3115



13.9652, 0.3367, 0.1629

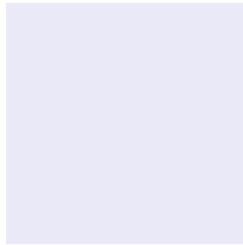


1.2988, 0.3347, 0.1617



# Previews

## White Background



This preview shows how the Yxy color 82.5476, 0.3041, 0.3138 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

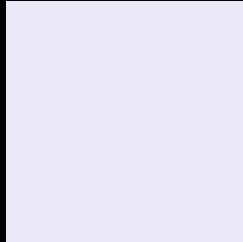
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.5476, 0.3041, 0.3138 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

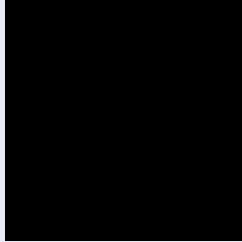
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

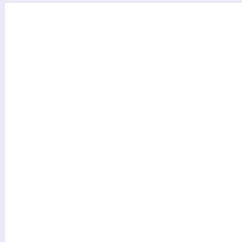
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.5476, 0.3041, 0.3138**

## Background



This preview shows how black text looks on a background with the Yxy color 82.5476, 0.3041, 0.3138.



This preview shows how white text looks on a background with the Yxy color 82.5476, 0.3041, 0.3138.

# 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

82.5476, 0.3041, 0.3138

### Protanopia

82.5476, 0.3041, 0.3138

### Deuteranopia

82.1017, 0.3144, 0.3073



## Tritanopia

82.7353, 0.3023, 0.3108

# Trichromacy



## Original Color

82.5476, 0.3041, 0.3138

## Protanomaly

82.5476, 0.3041, 0.3138

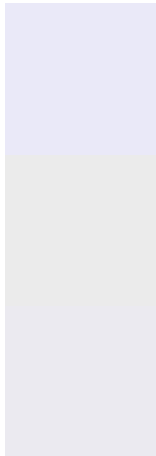
## Deuteranomaly

82.1113, 0.3103, 0.3091

## Tritanomaly

82.6724, 0.3029, 0.3118

# Monochromacy



## Original Color

82.5476, 0.3041, 0.3138

## Achromatopsia

83.0770, 0.3127, 0.3290

## Achromatomaly

82.7991, 0.3097, 0.3229

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.5476, 0.3041, 0.3138 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(234, 233, 248)` looks like.

```
.text, #text, p{  
    color:rgb(234, 233, 248)  
}
```

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(234, 233, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 233, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 82.5476, 0.3041, 0.3138 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(234, 233, 248) }
```

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

```
.border{ border-color:rgb(234, 233, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 233, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 233, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 233, 248);  
box-shadow:4px 4px 4px 4px rgb(234, 233,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.5476, 0.3041, 0.3138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 233, 248) }
```

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

```
.background{ background-color: rgb(234,  
233, 248) }
```

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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