

Converting Colors

Yxy(80.8583, 0.3052, 0.3122)

Have a look what the booklet for
Yxy(80.8583, 0.3052, 0.3122)
contains.

Yxy(80.8015, 0.3048, 0.3117)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(80.8015, 0.3048, 0.3117)

Conversions

Conversions Part 1

Format	Color
Hex	EAE6F7
RGB	234, 230, 247
RGB Percent	92%, 90%, 97%
CMY	0.0824, 0.0980, 0.0314
CMYK	0.05, 0.07, 0.00, 0.03
HSL	254°, 51%, 94%
HSV	254°, 7%, 97%
XYZ	79.0128, 80.8015, 99.4141
YIQ	233.1340, -3.0730, 6.1350

Conversions

Conversions Part 2

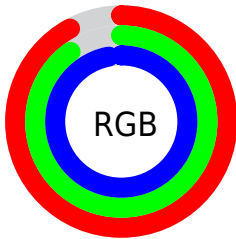
Format	Color
R _Y B	234, 230, 247
Decimal	15394551
CIE Lab	92.04, 4.43, -7.74
CIE LCh	92, 8.923, 299.781
Yxy	80.8015, 0.3048, 0.3117
Android (android.graphics.Color)	4293584631 (0xFFEAE6F7)
YUV	233.1340, 6.8359, 0.7595
Hunter-Lab	89.8897, -0.4058, -2.6494

Details

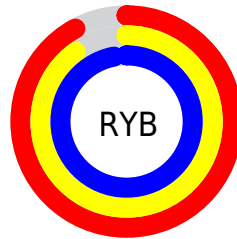
The Yxy color $80.8015, 0.3048, 0.3117$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $91.2811, 0.3203, 0.3460$, and the grayscale version is $81.5418, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.8865, 0.3025, 0.3080$ is the 20% darker color. If you saturate the color by 10%, you get $64.9870, 0.2918, 0.2841$, and if you desaturate by 10%, it is $98.9118, 0.3161, 0.3364$.

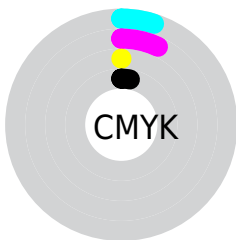
Distribution



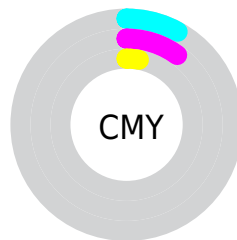
- Red (92%)
- Green (90%)
- Blue (97%)



- Red (92%)
- Yellow (90%)
- Blue (97%)



- Cyan (5%)
- Magenta (7%)
- Yellow (0%)
- Black (3%)





- Cyan (8%)
- Magenta (10%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.8015, 0.3048, 0.3117 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 80.8015, 0.3048, 0.3117 by changing the saturation by 10% instead.


 80.8015, 0.3048,
0.3117

 80.8015, 0.3048,
0.3117


497.6299, 0.3084,
0.3195

 60.3781, 0.3040,
0.3100


134.4920, 0.3060,
0.3144

 43.7235, 0.3030,
0.3079


168.5279, 0.3065,
0.3154

 30.4532, 0.3017,
0.3052


207.8702, 0.3070,
0.3163

 20.1828, 0.3001,
0.3018

252.9031, 0.3073,
0.3171

 12.5280, 0.2979,
0.2973

304.0112, 0.3076,
0.3178

 7.1043, 0.2947,
0.2910

361.5787, 0.3079,

 3.5274, 0.2899,

0.3184

0.2816

425.9901, 0.3082,
0.3190

■ 1.4129, 0.2817,
0.2660

■ 0.2262, 0.2417,
0.1692

■ 80.8015, 0.3048,
0.3117

■ 80.8015, 0.3048,
0.3117

■ 64.9870, 0.2918,
0.2841

■ 98.9118, 0.3161,
0.3364

■ 51.3659, 0.2770,
0.2538

■ 99.4945, 0.3174,
0.3367

■ 39.8431, 0.2605,
0.2215

■ 30.3129, 0.2426,
0.1881

■ 22.6596, 0.2241,
0.1552

■ 16.7560, 0.2059,
0.1249

■ 12.4582, 0.1891,
0.0994

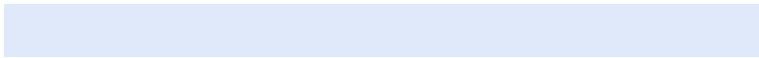
■ 9.5988, 0.1750,
0.0805

■ 7.9676, 0.1643,
0.0690

Harmonies

Analogous

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



80.8015, 0.2967, 0.3122



80.8015, 0.3048, 0.3117



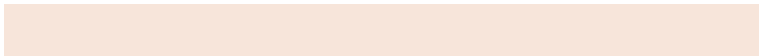
80.8015, 0.3152, 0.3157

Triad

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



80.8015, 0.3048, 0.3117



80.8015, 0.3330, 0.3404



80.8015, 0.3005, 0.3350

Complementary

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



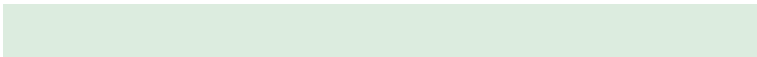
80.8015, 0.3048, 0.3117



91.2811, 0.3203, 0.3460

Split Complementary

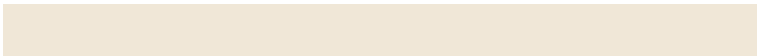
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.8015, 0.3100, 0.3429



80.8015, 0.3048, 0.3117



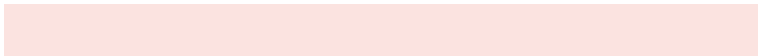
80.8015, 0.3289, 0.3460

Square

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



80.8015, 0.3048, 0.3117



80.8015, 0.3316, 0.3320



80.8015, 0.3204, 0.3470



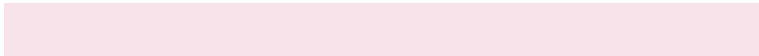
80.8015, 0.2942, 0.3255

Rectangle

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



80.8015, 0.3048, 0.3117



80.8015, 0.3220, 0.3203



80.8015, 0.3204, 0.3470



80.8015, 0.3034, 0.3379

Sweetspot

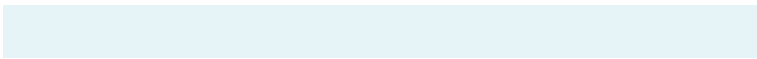
The Sweet Spot groups the original color and five complimentary colors.



80.8049, 0.3048, 0.3117



96.0563, 0.3105, 0.3241



87.6548, 0.3021, 0.3250



20.6013, 0.3106, 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.



80.8049, 0.3048, 0.3117



84.8260, 0.3034, 0.3087



82.2721, 0.3105, 0.3120



16.1143, 0.3016, 0.3048



4.0799, 0.1629, 0.0671



0.4036, 0.1748, 0.0737

Inverse Universe

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



82.8418, 0.3160, 0.3161



87.3634, 0.3166, 0.3139



89.8095, 0.3148, 0.3463



16.6979, 0.3174, 0.3111



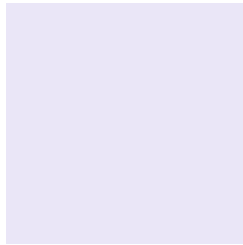
12.4251, 0.3909, 0.1927



1.1078, 0.3803, 0.1868

Previews

White Background



This preview shows how the Yxy color 80.8015, 0.3048, 0.3117 looks on a white background.

Color Contrast Check

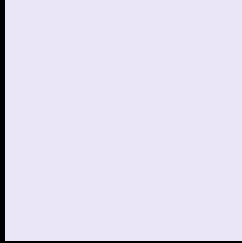
Large Text (above 18pt) WCAG AA × Fail

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 80.8015, 0.3048, 0.3117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

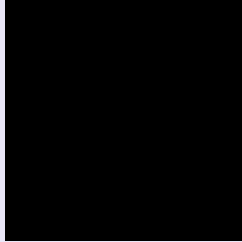
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.8015, 0.3048, 0.3117

Background



This preview shows how black text looks on a background with the Yxy color 80.8015, 0.3048, 0.3117.

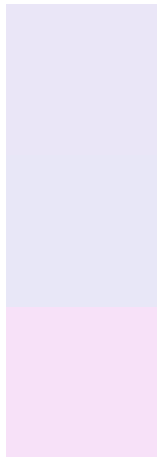


This preview shows how white text looks on a background with the Yxy color 80.8015, 0.3048, 0.3117.

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

80.8015, 0.3048, 0.3117

Protanopia

81.0230, 0.3035, 0.3126

Deuteranopia

80.4019, 0.3131, 0.3062



Tritanopia

80.8634, 0.3042, 0.3107

Trichromacy



Original Color

80.8015, 0.3048, 0.3117

Protanomaly

81.1909, 0.3041, 0.3127

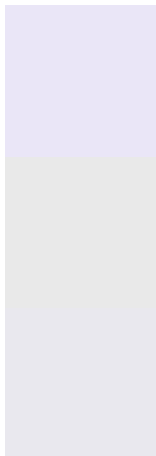
Deuteranomaly

80.5927, 0.3096, 0.3079

Tritanomaly

80.8634, 0.3042, 0.3107

Monochromacy



Original Color

80.8015, 0.3048, 0.3117

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.2099, 0.3096, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8015, 0.3048, 0.3117 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, 230, 247)` looks like.

```
.text, #text, p{  
    color:rgb(234, 230, 247)  
}
```

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, 230, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 230, 247) }
```

Border

The CSS property to change the border of an element to Yxy 80.8015, 0.3048, 0.3117 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, 230, 247) }
```

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

```
.border{ border-color:rgb(234, 230, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 230, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 230, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 230, 247);  
box-shadow:4px 4px 4px 4px rgb(234, 230,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8015, 0.3048, 0.3117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 230, 247) }
```

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

```
.background{ background-color: rgb(234,  
230, 247) }
```

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