

Converting Colors

$Y_{xy}(33.8826, 0.4093, 0.2970)$

Have a look what the booklet for
Yxy(33.8826, 0.4093, 0.2970)
contains.

| | |
|---|----|
| Yxy(33.8927, 0.4093, 0.2977) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(33.8927, 0.4093, 0.2977)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | EA7B97 |
| RGB | 234, 123, 151 |
| RGB Percent | 92%, 48%, 59% |
| CMY | 0.0824, 0.5176, 0.4079 |
| CMYK | 0.00, 0.47, 0.35, 0.08 |
| HSL | 345°, 73%, 70% |
| HSV | 345°, 47%, 92% |
| XYZ | 46.5982, 33.8927, 33.3576 |
| YIQ | 159.3810, 57.1680, 32.2400 |

Conversions

Conversions Part 2

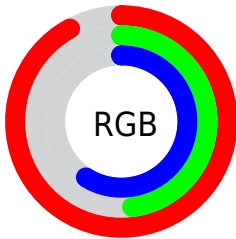
| Format | Color |
|-------------------------------------|--|
| RYB | 234, 123, 151 |
| Decimal | 15367063 |
| CIELab | 64.88, 45.65, 4.62 |
| CIElCh | 65, 45.882, 5.776 |
| Yxy | 33.8927, 0.4093, 0.2977 |
| Android (android.graphics.Color) | 4293557143 (0xFFEA7B97) |
| YUV | 159.3810, -4.1318, 65.4409 |
| Hunter-Lab | 58.2174, 40.9938, 6.7800 |

Details

The Yxy color **33.8927, 0.4093, 0.2977** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **67.5116, 0.2633, 0.3647**, and the grayscale version is **34.8554, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.5086, 0.3571, 0.3012**, and **14.4144, 0.4411, 0.2868** is the 20% darker color. If you saturate the color by 10%, you get **28.2386, 0.4426, 0.2926**, and if you desaturate by 10%, it is **41.0218, 0.3809, 0.3041**.

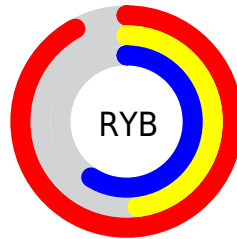
Distribution



Red (92%)

Green (48%)

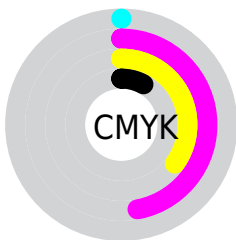
Blue (59%)



Red (92%)

Yellow (48%)

Blue (59%)

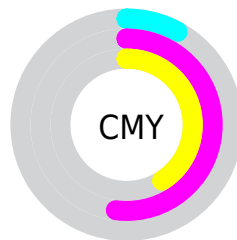


Cyan (0%)

Magenta (47%)

Yellow (35%)

Black (8%)



Cyan (8%)

Magenta (52%)

Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8927, 0.4093, 0.2977 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 33.8927, 0.4093, 0.2977 by changing the saturation by 10% instead.


 33.8927, 0.4093,
0.2977


 33.8927, 0.4093,
0.2977


319.6533, 0.3583,
0.3148


 22.8112, 0.4229,
0.2930


 65.7668, 0.3902,
0.3043

 14.4541, 0.4407,
0.2866


 87.3281, 0.3832,
0.3066

 8.4372, 0.4653,
0.2776


 113.1515, 0.3773,
0.3086

 4.3760, 0.5011,
0.2642

143.6214, 0.3724,
0.3102

 1.8860, 0.5572,
0.2420

179.1221, 0.3681,
0.3116

 0.5399, 0.7021,
0.1998

220.0381, 0.3644,

 0.0000, 1.0000,

0.3128

0.0000

266.7537, 0.3612,
0.3139

0.0000, 0.0000,
0.0000

33.8927, 0.4093,
0.2977

33.8927, 0.4093,
0.2977

28.2386, 0.4426,
0.2926

41.0218, 0.3809,
0.3041

23.9504, 0.4799,
0.2897

49.7150, 0.3573,
0.3110

20.9117, 0.5192,
0.2901

60.0599, 0.3381,
0.3178

18.9844, 0.5569,
0.2948

72.1366, 0.3224,
0.3244

17.9863, 0.5887,
0.3033

86.0195, 0.3097,
0.3305

■ 17.8070, 0.5958,
0.3056

■ 96.2315, 0.2999,
0.3290

Harmonies

Analogous

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



33.8927, 0.3400, 0.2546



33.8927, 0.4093, 0.2977



33.8927, 0.4502, 0.3494

Triad

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



33.8927, 0.4093, 0.2977



33.8927, 0.3435, 0.4595



33.8927, 0.1917, 0.2383

Complementary

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



33.8927, 0.4093, 0.2977



67.5116, 0.2633, 0.3647

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.



33.8927, 0.1923, 0.2838



33.8927, 0.4093, 0.2977



33.8927, 0.2753, 0.4251

Square

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



33.8927, 0.4093, 0.2977



33.8927, 0.4069, 0.4455



33.8927, 0.2209, 0.3540



33.8927, 0.2180, 0.2205

Rectangle

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



33.8927, 0.4093, 0.2977



33.8927, 0.4533, 0.3850



33.8927, 0.2209, 0.3540



33.8927, 0.1889, 0.2503

Sweetspot

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



33.8944, 0.4093, 0.2977



77.6977, 0.3324, 0.3201



33.0031, 0.2904, 0.2041



15.9766, 0.3360, 0.3186



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.



33.8944, 0.4093, 0.2977



34.4207, 0.4420, 0.2926



40.3877, 0.4283, 0.3586



15.1163, 0.3253, 0.3231



10.0242, 0.5920, 0.3035



0.8022, 0.5529, 0.2820

Inverse Universe

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



33.8944, 0.4093, 0.2977



34.4207, 0.4420, 0.2926



55.3119, 0.2438, 0.2957



15.1163, 0.3253, 0.3231



10.0242, 0.5920, 0.3035



0.8022, 0.5529, 0.2820

Previews

White Background



This preview shows how the Yxy color 33.8927, 0.4093, 0.2977 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 33.8927, 0.4093, 0.2977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

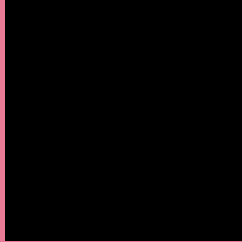
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8927, 0.4093, 0.2977

Background



This preview shows how black text looks on a background with the Yxy color 33.8927, 0.4093, 0.2977.



This preview shows how white text looks on a background with the Yxy color 33.8927, 0.4093, 0.2977.

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

33.8927, 0.4093, 0.2977

Protanopia

34.2223, 0.3003, 0.3086

Deuteranopia

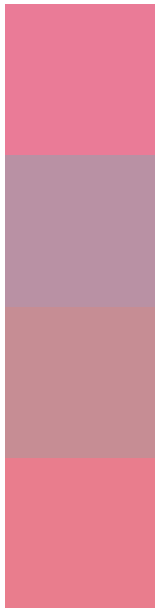
33.8789, 0.3443, 0.3376



Tritanopia

33.9946, 0.4266, 0.3191

Trichromacy



Original Color

33.8927, 0.4093, 0.2977

Protanomaly

33.2454, 0.3358, 0.3031

Deuteranomaly

33.1936, 0.3677, 0.3199

Tritanomaly

33.9140, 0.4197, 0.3112

Monochromacy



Original Color

33.8927, 0.4093, 0.2977

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

33.3972, 0.3449, 0.3154

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8927, 0.4093, 0.2977 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, 123, 151)` looks like.

```
.text, #text, p{  
    color:rgb(234, 123, 151)  
}
```

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, 123, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 123, 151) }
```

Border

The CSS property to change the border of an element to Yxy 33.8927, 0.4093, 0.2977 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, 123, 151) }
```

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

```
.border{ border-color:rgb(234, 123, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 123, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 123, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 123, 151);  
box-shadow:4px 4px 4px 4px rgb(234, 123,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8927, 0.4093, 0.2977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 123, 151) }
```

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

```
.background{ background-color: rgb(234,  
123, 151) }
```

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