

Converting Colors

$Y_{xy}(33.8687, 0.4087, 0.2948)$

Have a look what the booklet for
Yxy(33.8687, 0.4087, 0.2948)
contains.

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Color

Yxy(33.8811, 0.4083, 0.2945)

Conversions

Conversions Part 1

Format	Color
Hex	EB7A99
RGB	235, 122, 153
RGB Percent	92%, 48%, 60%
CMY	0.0784, 0.5216, 0.4001
CMYK	0.00, 0.48, 0.35, 0.08
HSL	344°, 74%, 70%
HSV	344°, 48%, 92%
XYZ	46.9734, 33.8811, 34.1917
YIQ	159.3210, 57.3970, 33.5970

Conversions

Conversions Part 2

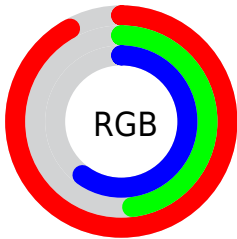
Format	Color
RYB	235, 122, 153
Decimal	15432345
CIELab	64.87, 46.74, 3.49
CIELCh	65, 46.874, 4.266
Yxy	33.8811, 0.4083, 0.2945
Android (android.graphics.Color)	4293622425 (0xFFEB7A99)
YUV	159.3210, -3.1163, 66.3705
Hunter-Lab	58.2075, 42.1862, 5.9176

Details

The Yxy color **33.8811, 0.4083, 0.2945** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **67.9260, 0.2640, 0.3686**, and the grayscale version is **34.8203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2093, 0.3555, 0.2981**, and **14.4457, 0.4394, 0.2830** is the 20% darker color. If you saturate the color by 10%, you get **28.2689, 0.4407, 0.2889**, and if you desaturate by 10%, it is **40.9726, 0.3805, 0.3014**.

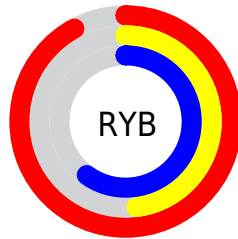
Distribution



Red (92%)

Green (48%)

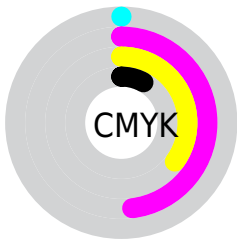
Blue (60%)



Red (92%)

Yellow (48%)

Blue (60%)

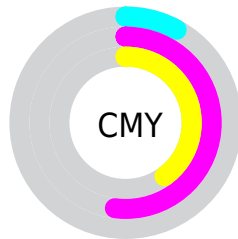


Cyan (0%)

Magenta (48%)

Yellow (35%)

Black (8%)



Cyan (8%)


Magenta (52%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8811, 0.4083, 0.2945 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 33.8811, 0.4083, 0.2945 by changing the saturation by 10% instead.


 33.8811, 0.4083,
0.2945


 33.8811, 0.4083,
0.2945


319.6016, 0.3579,
0.3131


 22.8023, 0.4217,
0.2894


 65.7487, 0.3894,
0.3016

 14.4476, 0.4393,
0.2826


 87.3063, 0.3825,
0.3041

 8.4326, 0.4636,
0.2731


 113.1256, 0.3767,
0.3063

 4.3730, 0.4988,
0.2590

143.5910, 0.3718,
0.3081

 1.8843, 0.5539,
0.2362

179.0869, 0.3676,
0.3096

 0.5389, 0.6877,
0.1908

219.9977, 0.3640,

 0.0000, 1.0000,

0.3109

0.0000

266.7078, 0.3608,
0.3121

0.0000, 0.0000,
0.0000

33.8811, 0.4083,
0.2945

33.8811, 0.4083,
0.2945

28.2689, 0.4407,
0.2889

40.9726, 0.3805,
0.3014

24.0251, 0.4771,
0.2858

49.6335, 0.3574,
0.3089

21.0315, 0.5153,
0.2862

59.9527, 0.3385,
0.3163

19.1471, 0.5520,
0.2911

72.0112, 0.3230,
0.3235

18.1762, 0.5834,
0.3000

85.8843, 0.3105,
0.3302

■ 18.0404, 0.5888,
0.3017

■ 96.4053, 0.3005,
0.3290

Harmonies

Analogous

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



33.8811, 0.3367, 0.2514



33.8811, 0.4083, 0.2945



33.8811, 0.4521, 0.3467

Triad

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



33.8811, 0.4083, 0.2945



33.8811, 0.3474, 0.4628



33.8811, 0.1889, 0.2380

Complementary

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



33.8811, 0.4083, 0.2945



67.9260, 0.2640, 0.3686

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.



33.8811, 0.1908, 0.2858



33.8811, 0.4083, 0.2945



33.8811, 0.2777, 0.4304

Square

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



33.8811, 0.4083, 0.2945



33.8811, 0.4113, 0.4460



33.8811, 0.2212, 0.3585



33.8811, 0.2142, 0.2188

Rectangle

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



33.8811, 0.4083, 0.2945



33.8811, 0.4567, 0.3830



33.8811, 0.2212, 0.3585



33.8811, 0.1864, 0.2507

Sweetspot

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



33.8828, 0.4083, 0.2945



77.7417, 0.3319, 0.3193



32.6134, 0.2882, 0.2018



15.9872, 0.3354, 0.3177



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.



33.8828, 0.4083, 0.2945



33.9231, 0.4413, 0.2889



39.7779, 0.4318, 0.3569



15.1219, 0.3250, 0.3226



10.0569, 0.5848, 0.2995



0.8055, 0.5455, 0.2779

Inverse Universe

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



33.8828, 0.4083, 0.2945



33.9231, 0.4413, 0.2889



56.4921, 0.2435, 0.2977



15.1219, 0.3250, 0.3226



10.0569, 0.5848, 0.2995



0.8055, 0.5455, 0.2779

Previews

White Background



This preview shows how the Yxy color 33.8811, 0.4083, 0.2945 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 33.8811, 0.4083, 0.2945 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 33.8811, 0.4083, 0.2945

Background



This preview shows how black text looks on a background with the Yxy color 33.8811, 0.4083, 0.2945.



This preview shows how white text looks on a background with the Yxy color 33.8811, 0.4083, 0.2945.

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

33.8811, 0.4083, 0.2945

Protanopia

34.1990, 0.2977, 0.3056

Deuteranopia

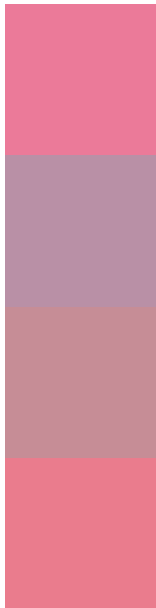
33.9417, 0.3423, 0.3348



Tritanopia

33.7121, 0.4283, 0.3192

Trichromacy



Original Color

33.8811, 0.4083, 0.2945

Protanomaly

33.0140, 0.3340, 0.2991

Deuteranomaly

33.2575, 0.3655, 0.3173

Tritanomaly

33.8308, 0.4212, 0.3101

Monochromacy



Original Color

33.8811, 0.4083, 0.2945

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

33.5569, 0.3450, 0.3141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8811, 0.4083, 0.2945 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(235, 122, 153)` looks like.

```
.text, #text, p{  
    color:rgb(235, 122, 153)  
}
```

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(235, 122, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 122, 153) }
```

Border

The CSS property to change the border of an element to Yxy 33.8811, 0.4083, 0.2945 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(235, 122, 153) }
```

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

```
.border{ border-color:rgb(235, 122, 153) }
```

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

Here you see how a box with a 4 pixel rgb(235, 122, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 122, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 122, 153);  
box-shadow:4px 4px 4px 4px rgb(235, 122,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8811, 0.4083, 0.2945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 122, 153) }
```

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

```
.background{ background-color: rgb(235,  
122, 153) }
```

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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