

Converting Colors

$Y_{xy}(33.6871, 0.4129, 0.2942)$

Have a look what the booklet for
Yxy(33.6871, 0.4129, 0.2942)
contains.

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Color

Yxy(33.7045, 0.4123, 0.2938)

Conversions

Conversions Part 1

Format	Color
Hex	ED7898
RGB	237, 120, 152
RGB Percent	93%, 47%, 60%
CMY	0.0707, 0.5293, 0.4039
CMYK	0.00, 0.49, 0.36, 0.07
HSL	344°, 76%, 70%
HSV	344°, 49%, 93%
XYZ	47.2987, 33.7045, 33.7160
YIQ	158.6310, 59.4600, 34.7560

Conversions

Conversions Part 2

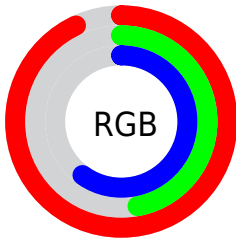
Format	Color
R _Y B	237, 120, 152
Decimal	15562904
CIE Lab	64.73, 48.26, 3.88
CIE LCh	65, 48.416, 4.594
Yxy	33.7045, 0.4123, 0.2938
Android (android.graphics.Color)	4293752984 (0xFFED7898)
YUV	158.6310, -3.2691, 68.7296
Hunter-Lab	58.0556, 43.8293, 6.2060

Details

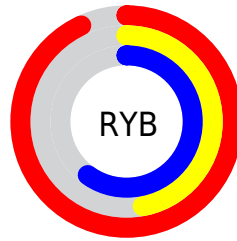
The Yxy color **33.7045, 0.4123, 0.2938** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **68.9487, 0.2630, 0.3697**, and the grayscale version is **34.4923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.3762, 0.3568, 0.2970**, and **14.4189, 0.4451, 0.2825** is the 20% darker color. If you saturate the color by 10%, you get **28.1686, 0.4454, 0.2885**, and if you desaturate by 10%, it is **40.7359, 0.3839, 0.3006**.

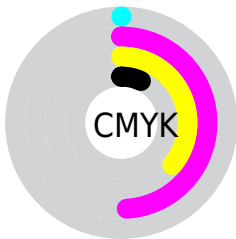
Distribution



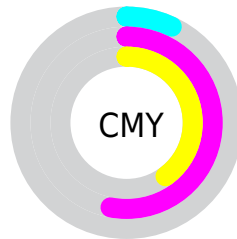
- Red (93%)
- Green (47%)
- Blue (60%)



- Red (93%)
- Yellow (47%)
- Blue (60%)



- Cyan (0%)
- Magenta (49%)
- Yellow (36%)
- Black (7%)





- Cyan (7%)
- Magenta (53%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.7045, 0.4123, 0.2938 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 33.7045, 0.4123, 0.2938 by changing the saturation by 10% instead.

 33.7045, 0.4123,
0.2938

 33.7045, 0.4123,
0.2938


318.8124, 0.3598,
0.3129


 22.6667, 0.4262,
0.2886


 65.4739, 0.3926,
0.3011

 14.3476, 0.4446,
0.2816


 86.9742, 0.3854,
0.3037

 8.3628, 0.4699,
0.2718


 112.7309, 0.3793,
0.3059

 4.3280, 0.5066,
0.2572

143.1282, 0.3742,
0.3077

 1.8587, 0.5639,
0.2336

178.5506, 0.3699,
0.3093

 0.5233, 0.7067,
0.1867

219.3826, 0.3661,

 0.0000, 1.0000,

0.3106

0.0000

266.0083, 0.3627,
0.3118

■ 0.0000, 0.0000,
0.0000

■ 33.7045, 0.4123,
0.2938

■ 33.7045, 0.4123,
0.2938

■ 28.1686, 0.4454,
0.2885

■ 40.7359, 0.3839,
0.3006

■ 24.0136, 0.4821,
0.2858

■ 49.3560, 0.3602,
0.3080

■ 21.1166, 0.5204,
0.2868

■ 59.6566, 0.3407,
0.3155

■ 19.3301, 0.5567,
0.2922

■ 71.7208, 0.3248,
0.3227

■ 18.4236, 0.5874,
0.3014

■ 85.6263, 0.3120,
0.3294

■ 18.3766, 0.5892,
0.3020

■ 96.7376, 0.3017,
0.3290

Harmonies

Analogous

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



33.7045, 0.3382, 0.2495



33.7045, 0.4123, 0.2938



33.7045, 0.4571, 0.3474

Triad

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



33.7045, 0.4123, 0.2938



33.7045, 0.3473, 0.4677



33.7045, 0.1854, 0.2346

Complementary

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



33.7045, 0.4123, 0.2938



68.9487, 0.2630, 0.3697

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.



33.7045, 0.1869, 0.2833



33.7045, 0.4123, 0.2938



33.7045, 0.2755, 0.4337

Square

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



33.7045, 0.4123, 0.2938



33.7045, 0.4135, 0.4499



33.7045, 0.2177, 0.3585



33.7045, 0.2117, 0.2154

Rectangle

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



33.7045, 0.4123, 0.2938



33.7045, 0.4613, 0.3846



33.7045, 0.2177, 0.3585



33.7045, 0.1828, 0.2475

Sweetspot

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



33.7062, 0.4123, 0.2938



76.3143, 0.3335, 0.3186



32.3674, 0.2873, 0.1985



15.7060, 0.3370, 0.3170



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.



33.7062, 0.4123, 0.2938



33.3369, 0.4450, 0.2886



39.7186, 0.4364, 0.3575



15.1217, 0.3250, 0.3226



10.0557, 0.5851, 0.2997



0.8053, 0.5457, 0.2780

Inverse Universe

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



33.7062, 0.4123, 0.2938



33.3369, 0.4450, 0.2886



57.0082, 0.2419, 0.2967



15.1217, 0.3250, 0.3226



10.0557, 0.5851, 0.2997



0.8053, 0.5457, 0.2780

Previews

White Background



This preview shows how the Yxy color 33.7045, 0.4123, 0.2938 looks on a white background.

Color Contrast Check

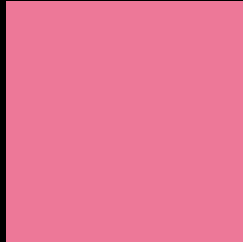
Large Text (above 18pt) WCAG AA × Fail

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 33.7045, 0.4123, 0.2938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

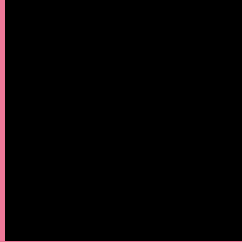
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7045, 0.4123, 0.2938

Background



This preview shows how black text looks on a background with the Yxy color 33.7045, 0.4123, 0.2938.



This preview shows how white text looks on a background with the Yxy color 33.7045, 0.4123, 0.2938.

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

33.7045, 0.4123, 0.2938

Protanopia

33.8620, 0.2977, 0.3042

Deuteranopia

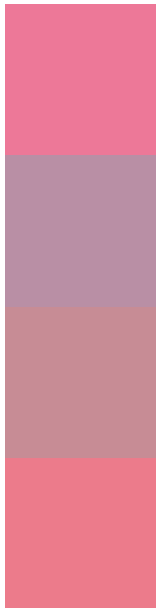
33.9102, 0.3433, 0.3362



Tritanopia

33.7434, 0.4333, 0.3204

Trichromacy



Original Color

33.7045, 0.4123, 0.2938

Protanomaly

32.6758, 0.3351, 0.2990

Deuteranomaly

33.0682, 0.3680, 0.3173

Tritanomaly

33.8629, 0.4262, 0.3115

Monochromacy



Original Color

33.7045, 0.4123, 0.2938

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

33.2159, 0.3462, 0.3140

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7045, 0.4123, 0.2938 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(237, 120, 152)` looks like.

```
.text, #text, p{  
    color:rgb(237, 120, 152)  
}
```

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(237, 120, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 120, 152) }
```

Border

The CSS property to change the border of an element to Yxy 33.7045, 0.4123, 0.2938 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(237, 120, 152) }
```

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

```
.border{ border-color:rgb(237, 120, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 120, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 120, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 120, 152);  
box-shadow:4px 4px 4px 4px rgb(237, 120,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7045, 0.4123, 0.2938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 120, 152) }
```

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

```
.background{ background-color: rgb(237,  
120, 152) }
```

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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