

Converting Colors

$Y_{xy}(33.9721, 0.4032, 0.2869)$

Have a look what the booklet for
Yxy(33.9721, 0.4032, 0.2869)
contains.

| | |
|---|----|
| Yxy(34.0108, 0.4023, 0.2869) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(34.0108, 0.4023, 0.2869)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | EC799F |
| RGB | 236, 121, 159 |
| RGB Percent | 93%, 47%, 62% |
| CMY | 0.0744, 0.5255, 0.3765 |
| CMYK | 0.00, 0.49, 0.33, 0.07 |
| HSL | 340°, 75%, 70% |
| HSV | 340°, 49%, 93% |
| XYZ | 47.6910, 34.0108, 36.8440 |
| YIQ | 159.7170, 56.3420, 36.1980 |

Conversions

Conversions Part 2

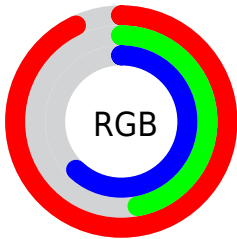
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 236, 121, 159 |
| Decimal | 15497631 |
| CIE _{Lab} | 64.97, 48.30, 0.24 |
| CIE _{LCh} | 65, 48.303, 0.281 |
| Yxy | 34.0108, 0.4023, 0.2869 |
| Android (android.graphics.Color) | 4293687711 (0xFFEC799F) |
| YUV | 159.7170, -0.3535, 66.9002 |
| Hunter-Lab | 58.3188, 43.9130, 3.3655 |

Details

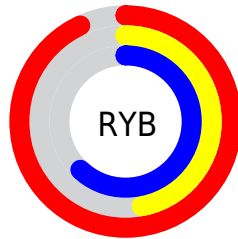
The Yxy color **34.0108, 0.4023, 0.2869** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **68.1454, 0.2667, 0.3780**, and the grayscale version is **34.9990, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.1657, 0.3496, 0.2900**, and **14.5641, 0.4301, 0.2734** is the 20% darker color. If you saturate the color by 10%, you get **28.4470, 0.4321, 0.2801**, and if you desaturate by 10%, it is **41.0511, 0.3767, 0.2952**.

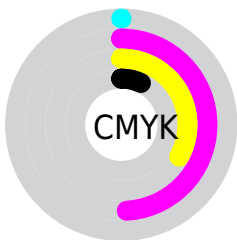
Distribution



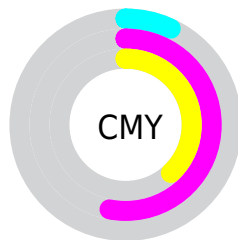
- Red (93%)
- Green (47%)
- Blue (62%)



- Red (93%)
- Yellow (47%)
- Blue (62%)



- Cyan (0%)
- Magenta (49%)
- Yellow (33%)
- Black (7%)





- Cyan (7%)
- Magenta (53%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0108, 0.4023, 0.2869 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 34.0108, 0.4023, 0.2869 by changing the saturation by 10% instead.


 34.0108, 0.4023,
0.2869


 34.0108, 0.4023,
0.2869


320.1802, 0.3553,
0.3090

 22.9019, 0.4147,
0.2811


 65.9505, 0.3847,
0.2952

 14.5211, 0.4310,
0.2734

 87.5500, 0.3783,
0.2982

 8.4840, 0.4534,
0.2628


 113.4152, 0.3729,
0.3008

 4.4062, 0.4858,
0.2475

143.9305, 0.3683,
0.3029

 1.9033, 0.5364,
0.2235

179.4803, 0.3644,
0.3048

 0.5503, 0.6416,
0.1741

220.4489, 0.3610,


 0.0000, 1.0000,


0.3064

0.0000


267.2207, 0.3580,
0.3078

 0.0000, 0.0000,
0.0000


 34.0108, 0.4023,
0.2869


 34.0108, 0.4023,
0.2869


 28.4470, 0.4321,
0.2801

 41.0511, 0.3767,
0.2952


 24.2479, 0.4653,
0.2760


 49.6591, 0.3553,
0.3042

 21.2938, 0.5005,
0.2758

 59.9243, 0.3376,
0.3132

 19.4413, 0.5349,
0.2804

 71.9281, 0.3231,
0.3219

 18.4794, 0.5655,
0.2896

 85.7465, 0.3114,
0.3300

■ 18.3855, 0.5691,
0.2909

■ 96.5008, 0.3018,
0.3301

■ 96.5762, 0.3011,
0.3290

Harmonies

Analogous

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



34.0108, 0.3269, 0.2447



34.0108, 0.4023, 0.2869



34.0108, 0.4527, 0.3394

Triad

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



34.0108, 0.4023, 0.2869



34.0108, 0.3574, 0.4672



34.0108, 0.1845, 0.2402

Complementary

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



34.0108, 0.4023, 0.2869



68.1454, 0.2667, 0.3780

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.



34.0108, 0.1901, 0.2930



34.0108, 0.4023, 0.2869



34.0108, 0.2856, 0.4412

Square

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



34.0108, 0.4023, 0.2869



34.0108, 0.4210, 0.4438



34.0108, 0.2250, 0.3701



34.0108, 0.2067, 0.2170

Rectangle

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



34.0108, 0.4023, 0.2869



34.0108, 0.4615, 0.3765



34.0108, 0.2250, 0.3701



34.0108, 0.1832, 0.2545

Sweetspot

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



34.0125, 0.4023, 0.2869



76.4355, 0.3320, 0.3164



31.6930, 0.2824, 0.1981



15.7350, 0.3352, 0.3146



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.



34.0125, 0.4023, 0.2869



34.1947, 0.4305, 0.2804



38.0214, 0.4378, 0.3508



15.1361, 0.3241, 0.3212



10.1539, 0.5649, 0.2885



0.8145, 0.5259, 0.2671

Inverse Universe

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



34.0125, 0.4023, 0.2869



34.1947, 0.4305, 0.2804



59.6697, 0.2441, 0.3047



15.1361, 0.3241, 0.3212



10.1539, 0.5649, 0.2885



0.8145, 0.5259, 0.2671

Previews

White Background



This preview shows how the Yxy color 34.0108, 0.4023, 0.2869 looks on a white background.

Color Contrast Check

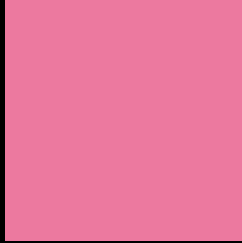
Large Text (above 18pt) WCAG AA × Fail

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 34.0108, 0.4023, 0.2869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

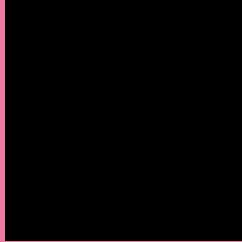
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.0108, 0.4023, 0.2869

Background



This preview shows how black text looks on a background with the Yxy color 34.0108, 0.4023, 0.2869.



This preview shows how white text looks on a background with the Yxy color 34.0108, 0.4023, 0.2869.

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

34.0108, 0.4023, 0.2869

Protanopia

34.3202, 0.2892, 0.2943

Deuteranopia

34.2295, 0.3341, 0.3276



Tritanopia

33.9089, 0.4281, 0.3181

Trichromacy



Original Color

34.0108, 0.4023, 0.2869



Protanomaly

33.1540, 0.3259, 0.2898



Deuteranomaly

33.3204, 0.3579, 0.3093



Tritanomaly

34.0911, 0.4185, 0.3068

Monochromacy



Original Color

34.0108, 0.4023, 0.2869



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.7872, 0.3429, 0.3101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0108, 0.4023, 0.2869 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(236, 121, 159)` looks like.

```
.text, #text, p{  
    color:rgb(236, 121, 159)  
}
```

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(236, 121, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 121, 159) }
```

Border

The CSS property to change the border of an element to Yxy 34.0108, 0.4023, 0.2869 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(236, 121, 159) }
```

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

```
.border{ border-color:rgb(236, 121, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 121, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 121, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 121, 159);  
box-shadow:4px 4px 4px 4px rgb(236, 121,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0108, 0.4023, 0.2869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 121, 159) }
```

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

```
.background{ background-color: rgb(236,  
121, 159) }
```

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