

# Converting Colors

$Y_{xy}(34.7723, 0.4396, 0.3438)$

Have a look what the booklet for  
Yxy(34.7723, 0.4396, 0.3438)  
contains.

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# Color

**Yxy(34.8234, 0.4401, 0.3442)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E78477
RGB	231, 132, 119
RGB Percent	91%, 52%, 47%
CMY	0.0943, 0.4822, 0.5334
CMYK	0.00, 0.43, 0.48, 0.09
HSL	7°, 70%, 69%
HSV	7°, 48%, 91%
XYZ	44.5258, 34.8234, 21.8228
YIQ	160.1190, 63.1770, 16.9450

# Conversions

## Conversions Part 2

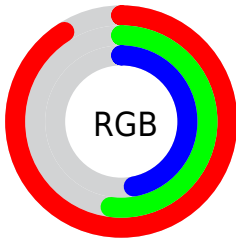
Format	Color
R <sub>Y</sub> B	231, 134, 119
Decimal	15172727
CIE Lab	65.61, 36.55, 23.67
CIE LCh	66, 43.545, 32.920
Yxy	34.8234, 0.4401, 0.3442
Android (android.graphics.Color)	4293362807 (0xFFE78477)
YUV	160.1190, -20.2717, 62.1626
Hunter-Lab	59.0114, 31.4136, 19.3821

# Details

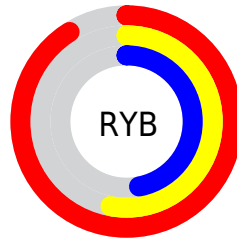
The Yxy color **34.8234, 0.4401, 0.3442** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **59.7861, 0.2458, 0.3122**, and the grayscale version is **35.2870, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.3181, 0.3847, 0.3450**, and **14.9502, 0.4823, 0.3436** is the 20% darker color. If you saturate the color by 10%, you get **29.3311, 0.4818, 0.3464**, and if you desaturate by 10%, it is **41.5365, 0.4036, 0.3413**.

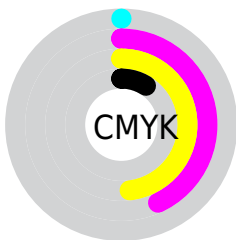
# Distribution



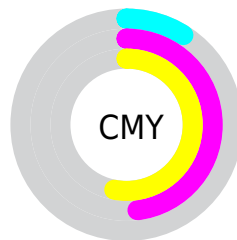
- Red (91%)
- Green (52%)
- Blue (47%)



- Red (91%)
- Yellow (53%)
- Blue (47%)



- Cyan (0%)
- Magenta (43%)
- Yellow (48%)
- Black (9%)




- Cyan (9%)
- Magenta (48%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.8234, 0.4401, 0.3442 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 34.8234, 0.4401, 0.3442 by changing the saturation by 10% instead.





 34.8234, 0.4401,  
0.3442


 34.8234, 0.4401,  
0.3442


323.7881, 0.3728,  
0.3394

 23.5269, 0.4578,  
0.3443


 67.2121, 0.4149,  
0.3432

 14.9830, 0.4808,  
0.3436


 89.0731, 0.4057,  
0.3426

 8.8075, 0.5119,  
0.3412


 115.2243, 0.3980,  
0.3420

 4.6158, 0.5553,  
0.3349

146.0501, 0.3914,  
0.3414

 2.0237, 0.6355,  
0.3277

181.9351, 0.3858,  
0.3409

 0.6212, 0.7276,  
0.2724

223.2635, 0.3809,


 0.0000, 1.0000,

0.3404


0.0000


270.4197, 0.3766,  
0.3399


 0.0000, 0.0000,  
0.0000


 34.8234, 0.4401,  
0.3442


 34.8234, 0.4401,  
0.3442

 29.3311, 0.4818,  
0.3464

 41.5365, 0.4036,  
0.3413


 24.9808, 0.5266,  
0.3471


 49.5321, 0.3730,  
0.3380

 21.6933, 0.5699,  
0.3458


 58.8743, 0.3477,  
0.3347

 19.3762, 0.6057,  
0.3422

 69.6214, 0.3271,  
0.3315

 17.9189, 0.6290,  
0.3372

 81.8279, 0.3104,  
0.3286

 17.7620, 0.6317,  
0.3366

 95.3797, 0.2981,  
0.3284

 95.7223, 0.2981,  
0.3290

# Harmonies

## Analogous

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



34.8234, 0.3982, 0.2953



34.8234, 0.4401, 0.3442



34.8234, 0.4421, 0.3946

# Triad

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



34.8234, 0.4401, 0.3442



34.8234, 0.2837, 0.4237



34.8234, 0.2196, 0.2267

# Complementary

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



34.8234, 0.4401, 0.3442



59.7861, 0.2458, 0.3122

# 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.



34.8234, 0.1968, 0.2464



34.8234, 0.4401, 0.3442



34.8234, 0.2301, 0.3596

# Square

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



34.8234, 0.4401, 0.3442



34.8234, 0.3485, 0.4519



34.8234, 0.2000, 0.2924



34.8234, 0.2667, 0.2308



# Rectangle

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



34.8234, 0.4401, 0.3442



34.8234, 0.4220, 0.4243



34.8234, 0.2000, 0.2924



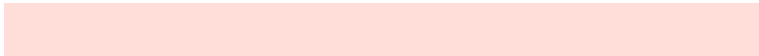
34.8234, 0.2092, 0.2305

# Sweetspot

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



34.8252, 0.4401, 0.3442



78.0789, 0.3403, 0.3336



35.3273, 0.3290, 0.2217



16.1234, 0.3449, 0.3343



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.



34.8252, 0.4401, 0.3442



36.8224, 0.4811, 0.3463



53.5034, 0.4071, 0.4044



14.6370, 0.3290, 0.3318



10.0532, 0.6300, 0.3380



0.8328, 0.6089, 0.3547



# Inverse Universe

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



59.7861, 0.2458, 0.3122



71.3658, 0.2360, 0.3083



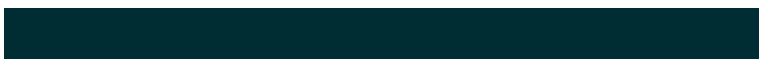
36.1588, 0.2318, 0.2377



16.0345, 0.2982, 0.3262



27.5867, 0.2144, 0.2920



2.1202, 0.2161, 0.2978



# Previews

## White Background



This preview shows how the Yxy color 34.8234, 0.4401, 0.3442 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

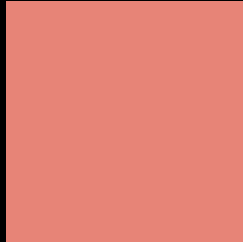
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 34.8234, 0.4401, 0.3442 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

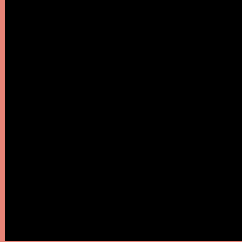
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 34.8234, 0.4401, 0.3442**

## Background



This preview shows how black text looks on a background with the Yxy color 34.8234, 0.4401, 0.3442.



This preview shows how white text looks on a background with the Yxy color 34.8234, 0.4401, 0.3442.

# 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

34.8234, 0.4401, 0.3442

### Protanopia

34.8972, 0.3479, 0.3687

### Deuteranopia

34.9674, 0.3892, 0.3810



## Tritanopia

34.7204, 0.4192, 0.3179

# Trichromacy



## Original Color

34.8234, 0.4401, 0.3442

## Protanomaly

34.2337, 0.3810, 0.3591

## Deuteranomaly

34.4909, 0.4087, 0.3665

## Tritanomaly

34.7870, 0.4271, 0.3271

# Monochromacy



## Original Color

34.8234, 0.4401, 0.3442

## Achromatopsia

35.1533, 0.3127, 0.3290

## Achromatomaly

34.2961, 0.3554, 0.3360

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.8234, 0.4401, 0.3442 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(231, 132, 119)` looks like.

```
.text, #text, p{  
  color:rgb(231, 132, 119)  
}
```

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(231, 132, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 132, 119) }
```

## Border

The CSS property to change the border of an element to Yxy 34.8234, 0.4401, 0.3442 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(231, 132, 119) }
```

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

```
.border{ border-color:rgb(231, 132, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 132, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 132, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 132, 119);  
box-shadow:4px 4px 4px 4px rgb(231, 132,  
119) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.8234, 0.4401, 0.3442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 132, 119) }
```

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

```
.background{ background-color: rgb(231,  
132, 119) }
```

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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