

Converting Colors

$Y_{xy}(36.7899, 0.4046, 0.3099)$

Have a look what the booklet for
Yxy(36.7899, 0.4046, 0.3099)
contains.

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Color

Yxy(36.7770, 0.4049, 0.3099)

Conversions

Conversions Part 1

Format	Color
Hex	EA8697
RGB	234, 134, 151
RGB Percent	92%, 53%, 59%
CMY	0.0822, 0.4746, 0.4078
CMYK	0.00, 0.43, 0.35, 0.08
HSL	350°, 70%, 72%
HSV	350°, 43%, 92%
XYZ	48.0510, 36.7770, 33.8458
YIQ	165.8380, 54.1430, 26.4870

Conversions

Conversions Part 2

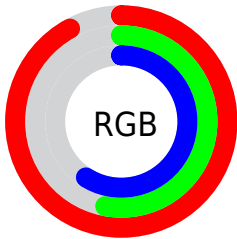
Format	Color
R _Y B	234, 134, 151
Decimal	15369879
CIE Lab	67.11, 40.08, 7.81
CIE LCh	67, 40.837, 11.027
Yxy	36.7770, 0.4049, 0.3099
Android (android.graphics.Color)	4293559959 (0xFFEA8697)
YUV	165.8380, -7.3151, 59.7781
Hunter-Lab	60.6440, 35.3065, 9.3608

Details

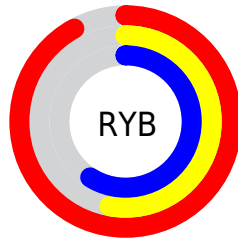
The Yxy color **36.7770, 0.4049, 0.3099** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **68.9422, 0.2629, 0.3500**, and the grayscale version is **38.0676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0630, 0.3549, 0.3126**, and **16.1848, 0.4352, 0.3033** is the 20% darker color. If you saturate the color by 10%, you get **30.4305, 0.4398, 0.3061**, and if you desaturate by 10%, it is **44.6623, 0.3756, 0.3144**.

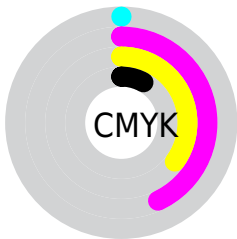
Distribution



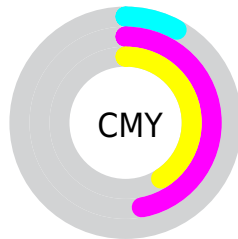
- Red (92%)
- Green (53%)
- Blue (59%)



- Red (92%)
- Yellow (53%)
- Blue (59%)



- Cyan (0%)
- Magenta (43%)
- Yellow (35%)
- Black (8%)



- Cyan (8%)
- Magenta (47%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7770, 0.4049, 0.3099 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 36.7770, 0.4049, 0.3099 by changing the saturation by 10% instead.


 36.7770, 0.4049,
0.3099


 36.7770, 0.4049,
0.3099


332.3440, 0.3567,
0.3208

 25.0349, 0.4176,
0.3068


 70.2297, 0.3869,
0.3142

 16.1030, 0.4342,
0.3024


 92.7090, 0.3803,
0.3157

 9.5971, 0.4569,
0.2962


 119.5362, 0.3748,
0.3169

 5.1326, 0.4896,
0.2867

151.0957, 0.3700,
0.3179

 2.3253, 0.5402,
0.2704

187.7718, 0.3660,
0.3188

 0.7871, 0.6537,
0.2482

229.9490, 0.3625,

 0.0000, 1.0000,

0.3196

0.0000

278.0116, 0.3594,
0.3202

■ 0.0000, 0.0000,
0.0000

■ 36.7770, 0.4049,
0.3099

■ 36.7770, 0.4049,
0.3099

■ 30.4305, 0.4398,
0.3061

■ 44.6623, 0.3756,
0.3144

■ 25.5169, 0.4798,
0.3038

■ 54.1725, 0.3516,
0.3190

■ 21.9253, 0.5226,
0.3037


■ 65.3938, 0.3321,
0.3236


■ 19.5261, 0.5641,
0.3066

■ 78.4045, 0.3165,
0.3279

■ 18.1633, 0.5989,
0.3125

■ 93.2784, 0.3038,
0.3319

 17.6500, 0.6177,
0.3177

 96.2380, 0.3000,
0.3290

Harmonies

Analogous

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



36.7770, 0.3481, 0.2694



36.7770, 0.4049, 0.3099



36.7770, 0.4344, 0.3568

Triad

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



36.7770, 0.4049, 0.3099



36.7770, 0.3302, 0.4387



36.7770, 0.2082, 0.2453

Complementary

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



36.7770, 0.4049, 0.3099



68.9422, 0.2629, 0.3500

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.



36.7770, 0.2046, 0.2819



36.7770, 0.4049, 0.3099



36.7770, 0.2713, 0.4019

Square

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



36.7770, 0.4049, 0.3099



36.7770, 0.3874, 0.4354



36.7770, 0.2263, 0.3398



36.7770, 0.2360, 0.2328

Rectangle

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



36.7770, 0.4049, 0.3099



36.7770, 0.4333, 0.3880



36.7770, 0.2263, 0.3398



36.7770, 0.2042, 0.2548

Sweetspot

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



36.7788, 0.4049, 0.3099



78.9960, 0.3327, 0.3234



37.5406, 0.3008, 0.2188



16.2250, 0.3367, 0.3224



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.



36.7788, 0.4049, 0.3099



38.0234, 0.4342, 0.3066



46.3706, 0.4082, 0.3652



15.0959, 0.3266, 0.3250



9.9277, 0.6146, 0.3160



0.7918, 0.5791, 0.2964

Inverse Universe

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



36.7788, 0.4049, 0.3099



38.0234, 0.4342, 0.3066



53.4158, 0.2480, 0.2886



15.0959, 0.3266, 0.3250



9.9277, 0.6146, 0.3160



0.7918, 0.5791, 0.2964

Previews

White Background



This preview shows how the Yxy color 36.7770, 0.4049, 0.3099 looks on a white background.

Color Contrast Check

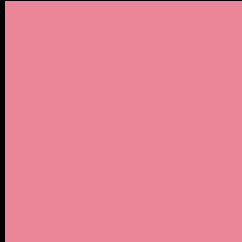
Large Text (above 18pt) WCAG AA × Fail

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 36.7770, 0.4049, 0.3099 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 36.7770, 0.4049, 0.3099

Background



This preview shows how black text looks on a background with the Yxy color 36.7770, 0.4049, 0.3099.



This preview shows how white text looks on a background with the Yxy color 36.7770, 0.4049, 0.3099.

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

36.7770, 0.4049, 0.3099

Protanopia

37.0914, 0.3120, 0.3233

Deuteranopia

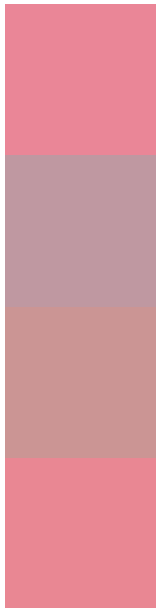
36.9994, 0.3511, 0.3442



Tritanopia

36.6959, 0.4104, 0.3179

Trichromacy



Original Color

36.7770, 0.4049, 0.3099

Protanomaly

36.1060, 0.3438, 0.3171

Deuteranomaly

36.3295, 0.3704, 0.3305

Tritanomaly

36.7582, 0.4081, 0.3156

Monochromacy



Original Color

36.7770, 0.4049, 0.3099

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

36.7608, 0.3434, 0.3197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7770, 0.4049, 0.3099 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, 134, 151)` looks like.

```
.text, #text, p{  
    color:rgb(234, 134, 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, 134, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 134, 151) }
```

Border

The CSS property to change the border of an element to Yxy 36.7770, 0.4049, 0.3099 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, 134, 151) }
```

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

```
.border{ border-color:rgb(234, 134, 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, 134, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 134, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 134, 151);  
box-shadow:4px 4px 4px 4px rgb(234, 134,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7770, 0.4049, 0.3099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 134, 151) }
```

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

```
.background{ background-color: rgb(234,  
134, 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](#).

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