

Converting Colors

$Y_{xy}(40.2081, 0.3777, 0.2971)$

Have a look what the booklet for
Yxy(40.2081, 0.3777, 0.2971)
contains.

Yxy(40.4175, 0.3779, 0.2974)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.4175, 0.3779, 0.2974)

Conversions

Conversions Part 1

Format	Color
Hex	EA90AC
RGB	234, 144, 172
RGB Percent	92%, 56%, 67%
CMY	0.0823, 0.4353, 0.3255
CMYK	0.00, 0.38, 0.27, 0.08
HSL	341°, 68%, 74%
HSV	341°, 38%, 92%
XYZ	51.3577, 40.4175, 44.1276
YIQ	174.1020, 44.6520, 27.7880

Conversions

Conversions Part 2

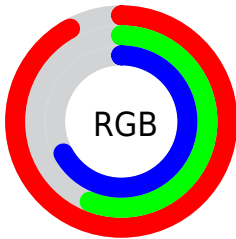
Format	Color
R_{YB}	234, 144, 172
Decimal	15372460
CIE _{Lab}	69.77, 37.57, -0.13
CIE _{LCh}	70, 37.568, 359.795
Yxy	40.4175, 0.3779, 0.2974
Android (android.graphics.Color)	4293562540 (0xFFEA90AC)
YUV	174.1020, -1.0363, 52.5305
Hunter-Lab	63.5748, 32.9421, 3.3488

Details

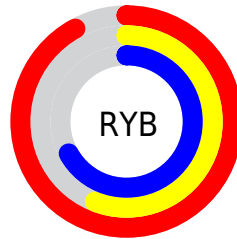
The Yxy color **40.4175, 0.3779, 0.2974** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **69.2446, 0.2736, 0.3638**, and the grayscale version is **42.3718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6529, 0.3358, 0.3008**, and **18.2405, 0.3967, 0.2880** is the 20% darker color. If you saturate the color by 10%, you get **33.4682, 0.4042, 0.2895**, and if you desaturate by 10%, it is **48.9150, 0.3559, 0.3059**.

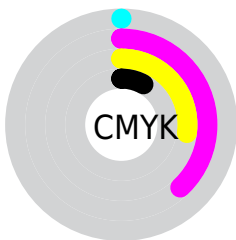
Distribution



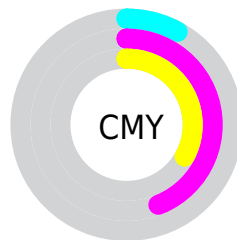
- Red (92%)
- Green (56%)
- Blue (67%)



- Red (92%)
- Yellow (56%)
- Blue (67%)



- Cyan (0%)
- Magenta (38%)
- Yellow (27%)
- Black (8%)





- Cyan (8%)
- Magenta (44%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4175, 0.3779, 0.2974 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 40.4175, 0.3779, 0.2974 by changing the saturation by 10% instead.


 40.4175, 0.3779,
0.2974

 40.4175, 0.3779,
0.2974


347.8801, 0.3446,
0.3136

 27.8642, 0.3864,
0.2933


 75.7988, 0.3656,
0.3033

 18.2233, 0.3975,
0.2879


 99.3957, 0.3611,
0.3056

 11.1104, 0.4124,
0.2807


127.4425, 0.3572,
0.3074

 6.1412, 0.4336,
0.2704

160.3237, 0.3540,
0.3090

 2.9311, 0.4659,
0.2548

198.4237, 0.3511,
0.3104

 1.0959, 0.5205,
0.2285

242.1268, 0.3487,

 0.0000, 1.0000,

0.3116

0.0000

291.8175, 0.3465,
0.3126

0.0000, 0.0000,
0.0000

40.4175, 0.3779,
0.2974

40.4175, 0.3779,
0.2974

33.4682, 0.4042,
0.2895

48.9150, 0.3559,
0.3059

27.9671, 0.4348,
0.2832

59.0411, 0.3378,
0.3143

23.8117, 0.4691,
0.2793

70.8774, 0.3231,
0.3225

20.8832, 0.5053,
0.2793

84.4984, 0.3110,
0.3301

19.0418, 0.5406,
0.2841

96.0834, 0.3013,
0.3313

■ 18.0861, 0.5716,
0.2932

■ 96.2365, 0.3000,
0.3290

■ 17.9752, 0.5760,
0.2947

Harmonies

Analogous

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



40.4175, 0.3232, 0.2642



40.4175, 0.3779, 0.2974



40.4175, 0.4150, 0.3389

Triad

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



40.4175, 0.3779, 0.2974



40.4175, 0.3493, 0.4293



40.4175, 0.2144, 0.2641

Complementary

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



40.4175, 0.3779, 0.2974



69.2446, 0.2736, 0.3638

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.



40.4175, 0.2199, 0.3053



40.4175, 0.3779, 0.2974



40.4175, 0.2952, 0.4092

Square

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



40.4175, 0.3779, 0.2974



40.4175, 0.3959, 0.4161



40.4175, 0.2483, 0.3604



40.4175, 0.2317, 0.2441

Rectangle

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



40.4175, 0.3779, 0.2974



40.4175, 0.4228, 0.3676



40.4175, 0.2483, 0.3604



40.4175, 0.2137, 0.2756

Sweetspot

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



40.4194, 0.3779, 0.2974



80.7226, 0.3280, 0.3196



38.9383, 0.2919, 0.2266



16.8695, 0.3299, 0.3185



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.



40.4194, 0.3779, 0.2974



42.4148, 0.3979, 0.2912



44.8245, 0.4010, 0.3481



15.1313, 0.3244, 0.3217



10.1186, 0.5719, 0.2924



0.8113, 0.5326, 0.2708

Inverse Universe

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



40.4194, 0.3779, 0.2974



42.4148, 0.3979, 0.2912



61.7638, 0.2563, 0.3086



15.1313, 0.3244, 0.3217



10.1186, 0.5719, 0.2924



0.8113, 0.5326, 0.2708

Previews

White Background



This preview shows how the Yxy color 40.4175, 0.3779, 0.2974 looks on a white background.

Color Contrast Check

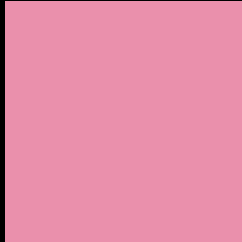
Large Text (above 18pt) WCAG AA × Fail

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 40.4175, 0.3779, 0.2974 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 40.4175, 0.3779, 0.2974

Background



This preview shows how black text looks on a background with the Yxy color 40.4175, 0.3779, 0.2974.



This preview shows how white text looks on a background with the Yxy color 40.4175, 0.3779, 0.2974.

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

40.4175, 0.3779, 0.2974

Protanopia

40.7723, 0.2979, 0.3059

Deuteranopia

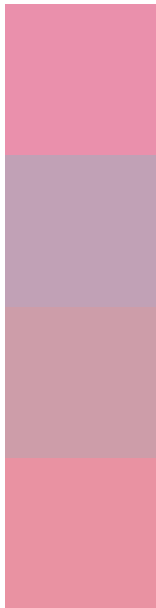
40.4288, 0.3318, 0.3251



Tritanopia

40.6254, 0.3921, 0.3178

Trichromacy



Original Color

40.4175, 0.3779, 0.2974

Protanomaly

40.2046, 0.3244, 0.3020

Deuteranomaly

39.9577, 0.3488, 0.3140

Tritanomaly

40.4900, 0.3870, 0.3109

Monochromacy



Original Color

40.4175, 0.3779, 0.2974

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

40.9473, 0.3352, 0.3162

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4175, 0.3779, 0.2974 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, 144, 172)` looks like.

```
.text, #text, p{  
    color:rgb(234, 144, 172)  
}
```

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, 144, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 144, 172) }
```

Border

The CSS property to change the border of an element to Yxy 40.4175, 0.3779, 0.2974 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, 144, 172) }
```

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

```
.border{ border-color:rgb(234, 144, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 144, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 144, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 144, 172);  
box-shadow:4px 4px 4px 4px rgb(234, 144,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4175, 0.3779, 0.2974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 144, 172) }
```

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

```
.background{ background-color: rgb(234,  
144, 172) }
```

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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